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An Annotated List

of the

PLANTS OF SASKATCHEWAN

SCIENCE

by

The Late W. P. FRASER and R. C. RUSSELL

Revised by
R. C. RUSSELL, G. F. LEDINGHAM
and R. T. COUPLAND

Published by the
UNIVERSITY OF SASKATCHEWAN
SASKATOON, SASK.
1954

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W. P. FRASER; 1867-1943

IT is believed that those who use this third edition of "The Plants of Saskatchewan" will wish to have a short account of the life and work of the late Professor W. P. Fraser who wrote the first edition and collaborated with his pupil, Dr. R. C. Russell, in preparing the second. That account follows.

He was born in 1867, in Pictou County, Nova Scotia. Through the death of his father the responsibility of a family was thrust upon him at a very early age and made the attainment of an education a severe struggle. Eventually he graduated from Dalhousie and Cornell Universities. He taught for some time in Pictou Academy, and in 1912 was called to MacDonald College, McGill University. Following the disastrous outbreak of wheat rust in 1916 he was appointed by the Dominion Department of Agriculture to investigate that problem, at first on a part-time basis, and in 1919 as Director of a newly established Laboratory of Plant Pathology located at the University of Saskatchewan. At the same time he served as lecturer in Biology in the University. This arrangement continued until 1925 when he severed his connection with the Department of Agriculture and became Professor of Biology. In 1937 he retired with the title of Professor Emeritus, but continued his scholarly activities energetically until a few days before his death in November, 1943.

Most of Dr. Fraser's scientific work was on the fungi which cause plant diseases, particularly the rusts. A long series of studies on the life histories of rusts which attack various plants, both cultivated and wild, was carried out in Nova Scotia and at MacDonald College and brought him recognition as the foremost Canadian worker in that field. He was therefore the logical choice of the Department of Agriculture to head its work on diseases of crop plants on the prairies, particularly the dreaded stem rust of wheat. His contributions in this field built up a fund of knowledge which was essential for the ultimate solution of the rust problem. But he also made important contributions to the study of other diseases.

Although he is best known to the scientific world for his work on pathogenic fungi, he was always fond of the identification and classification of the higher plants. He was born with all the instincts of a naturalist, and made himself thoroughly acquainted with the plants of his native Nova Scotia and then of Quebec. When he came west all the time which could be spared from his major work in plant pathology was devoted to the native flora of the prairies. After he joined the University Faculty and particularly after his retirement, more time became available for these studies, and he became a recognized authority on the prairie flora. The first edition of the present list of Saskatchewan plants was published in 1937 and contained many new records. Continued intensive studies and the help of many correspondents, friends and disciples furnished numerous additional records which necessitated the present revised and enlarged edition. Until he could be satisfied that his list was complete, his characteristic desire for perfection prevented his writing the descriptive book-length flora of the prairies which he had planned. This is a matter of great regret to all those who are familiar with the need for such a volume and with his qualifications for meeting it.

In the course of this work Dr. Fraser built up for the University an excellent herbarium of prairie plants which, since his death has been officially designated "The W. P. Fraser Herbarium." The use of this collection by specialists will be welcomed in the future as it has been in the past. The University intends to continue the service in the identification of specimens which he carried on for numerous correspondents.

Professor Fraser was a very shy man who always put much too low a valuation on his own achievements. His tastes were simple, his character rigid, his thoughtfulness of others unfailing. His contributions to the life of Western Canada have been great.

W. P. THOMPSON,
President, University of Saskatchewan.

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PREFACE

This is a second revision of the original list of the plants of Saskatchewan, written by the late Dr. W. P. Fraser and R. C. Russell in 1937. This edition has been prepared by R. C. Russell with the assistance of Drs. G. F. Ledingham and R. T. Coupland. Mr. A. J. Breitung compiled a type-written list of many additions and corrections to the 1944 edition and this has been of considerable assistance in the present revision. Dr. J. L. Bolton made a critical examination of the portion dealing with the grasses. Mr. A. C. Budd, of the Dominion Experimental Station at Swift Current, checked the list with herbarium material at the Station.

The list is based on specimens preserved in the Fraser Herbarium at the University of Saskatchewan, the herbarium of the Dominion Laboratory of Plant Pathology in Saskatoon, the herbarium of the Dominion Experimental Station at Swift Current, and the herbarium in the Provincial Museum of Natural History at Regina. It is based also on reports of certain species appearing in A. J. Breitung's and J. H. Hudson's published lists of the flora of certain districts within the province of Saskatchewan. We are indebted to many other individuals who have shown an active interest in taxonomic botany and who have helped to build up the various herbaria, but they are too numerous to acknowledge individually.

Those who are familiar with the first two editions will notice certain changes in the present one. Species whose ranges were supposed to extend into Saskatchewan, but which have not been collected in this province in recent times have been omitted from the list. Also species listed by Macoun for Saskatchewan, in his Catalogue of Canadian Plants, not represented in our herbaria, are no longer included. Instead of listing the places where collections have been made, the type of habitat is indicated, followed by numbers representing the soil zones of the province where the species in question has been found (see map, page v.). The scientific names found in Rydberg's "Flora of the Prairies and Plains of Central North America" are used in most cases. However, the names used in Hitchcock's "Manual of the Grasses of the United States" (second revised edition) are used for the grasses, and those found in McKenzie's "North American Cariceae" are used for the sedges. For the benefit of users who are familiar with Gray's manuals, the scientific names found in the eighth edition have been added as synonyms wherever they differ from those used in Rydberg. The common names are taken from various sources and represent what the authors considered the most commonly used or appropriate name for each species.

It is hoped that the publication of this new edition of our list of the plants of Saskatchewan will help to stimulate further interest in the study and collection of the plants to be found in the vast territory covered by our province. As in the past, residents of the province are welcome to send in specimens of plants for identification. Also amateur botanists will do us a favour by sending in specimens of species not included in this list, together with information concerning the habitats in which they are found and the place and date of collection.

The authors will be glad if any errors or omissions of plants that occur naturally in the province are brought to their attention.

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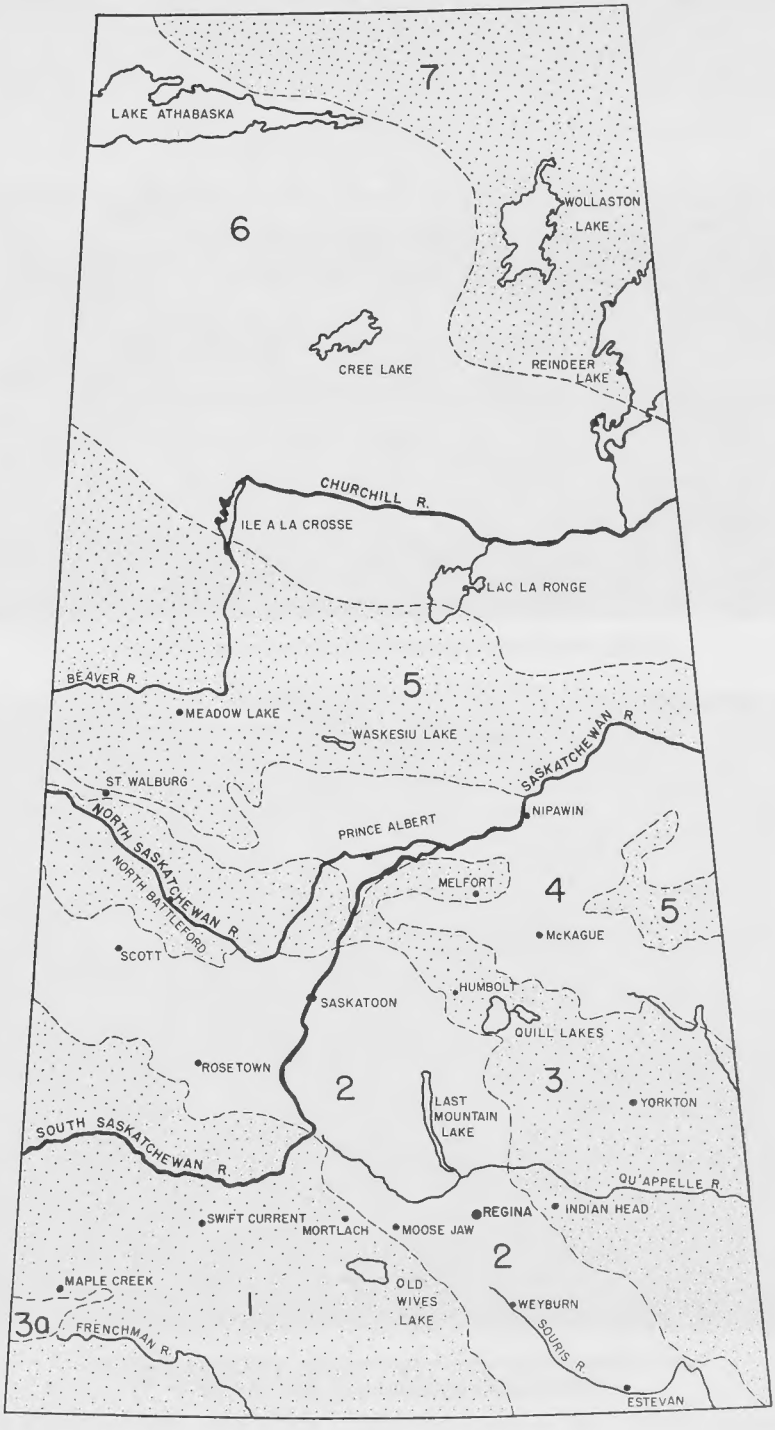
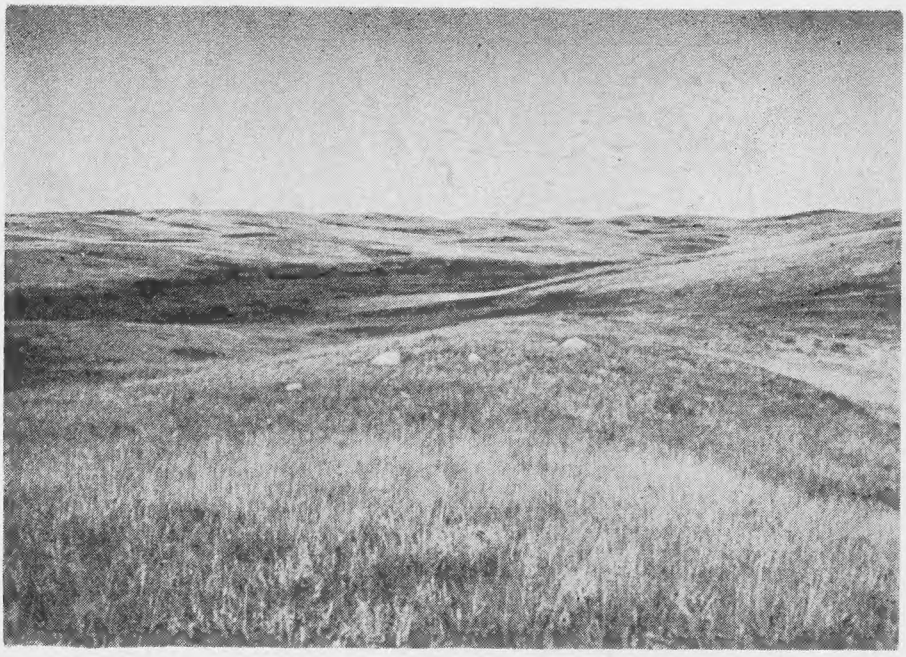
DESCRIPTION OF ZONES

Zone 1. Brown soils—Mixed Prairie
Zone 2. Dark brown soils—Mixed Prairie
Zone 3. Black soils—Parkland Prairie (Aspen Grove Area)
Zone 4. Transition (Black-Grey) soils—Mixed Parkland-Forest area
Zone 5. Grey (Podzol) soils—Forest (largely deciduous species)
Zone 6. Precambrian Shield—Forest (largely coniferous species)
Zone 7. Northern Transition—Coniferous forest to Tundra

MAP OF SASKATCHEWAN SHOWING SOIL ZONES





Rolling mixed prairie grassland typical of much of Zone 1.

Level mixed prairie representative of the level parts of Zone 2.
Trees in background have been planted.

LIST *of the* FLOWERING PLANTS FERNS *and* FERN ALLIES *of* SASKATCHEWAN

PTERIDOPHYTA. Ferns and Fern Allies.

OPHIOGLOSSACEAE. Adder's Tongue Family.

Botrychium lanceolatum (Gmel.) Angstr. Grape-fern. Open forest. Cypress Hills.
—**lunaria** (L.) Sw. Moon-fern. Open forest and moist prairie. 3, 3a, 4.
—**silaifolium** Presl. *B. multifidum* (Gmel.) Rupr. var. *intermedium* (D.C. Eat.) Farw. Leathery Grape-fern. Open forest and moist prairie. 2, 4, 5.
—**simplex** E. Hitchc. Grape-fern. Moist prairie. Beechy.
—**virginianum** (L.) Sw. var. **europeum** Angstr. Virginia Grape-fern. Open forest and moist prairie. 2, 3, 3a, 4, 5.

POLYPODIACEAE. Fern Family.

Cryptogramma acrostichoides R. Br. *C. crispa* (L.) R. Br. var. *acrostichoides* (R. Br.) Clarke American Rock-brake. Rocks. 6.
—**stelleri** Prantl Fragile Rock-brake. Damp rocks. 6.
—**stelleri Prantl** Fragile Rock-brake. Damp rocks. 6.
Dryopteris cristata (L.) Gray Crested Shield-fern. Bogs in forests. 4, 5.
—**fragrans** (L.) Schott Fragrant Shield-fern. Rocks. 6.
—**spinulosa** (Muell.) Kuntze Spinulose Shield-fern. Shady forest. 4, 5, 6.
Filix fragilis (L.) Gilib. *Cystopteris fragilis* (L.) Bernh. Fragile Fern. Shady forest and rocks and ravines. 1, 2, 3a, 4, 5, 6.
Pellaea glabella Mett. Smooth Cliff-brake. Rocks. 6.
Phegopteris dryopteris (L.) Fee *Dryopteris disjuncta* (Ledeb.) Mort. Oak Fern. Moist shady forest and rocks. 4, 5, 6.
—**polypodioides** (L.) Fee *Dryopteris phegopteris* (L.) Chr. Beech Fern. Forest and rocks. 6.
—**robertiana** (Hoffm.) A. Br. *Dryopteris robertiana* (Hoffm.) Chr. Scented Oak Fern. Rocks. Athabaska Lake.
Polypodium virginianum L. Rock Polypody. Rocks and forests. 6.
Pteretis nodulosa (Michx.) Nieuwl. *P. pennsylvanica* (Willd.) Fern. Ostrich Fern. Wet places in forest. 2, 3, 4, 5.
Woodsia glabella R. Br. Smooth Woodsia. Damp rocks. 6.
—**ilvensis** (L.) R. Br. Rusty Woodsia. Rocks. 6.
—**oregana** D. C. Eat. Oregon Woodsia. Rocks. 6.
—**scopulina** D. C. Eat. Mountain Woodsia. Rocks. 6.

MARSILEACEAE. Marsilea Family.

Marsilea vestita Hook. and Grev. *M. mucronata* A. Br. Hairy Pepperwort. Shallow sloughs. 1, 2.

EQUISETACEAE. Horsetail Family.

Equisetum affine Engelm. *E. hyemale* L. var. *affine* (Engelm.) A. A. Eat. Scouring-rush. Moist prairie. 2, 3, 3a, 4, 6.
—**arvense** L. Horsetail. Poorly drained soil, both virgin and cultivated. 1, 2, 3, 3a, 4, 5.
var. **boreale** (Bong.) Rupr. 4.
—**fluviatile** L. Swamp Horsetail. Shallow marshes. 2, 3a, 4, 5, 6.
—**intermedium** (A. A. Eat.) Rydb. *E. hyemale* L. var. *intermedium* A. A. Eat. Loose-sheath Scouring-rush. Montreal Lake.
—**kansanum** Schaffn. Kansas Horsetail. 1, 2.
—**laevigatum** A. Br. *E. hyemale* L. var. *intermedium* A. A. Eat. Loose-sheath Scouring-rush. Moist sandy prairie. 1, 2, 3, 3a.
—**palustre** L. Marsh Horsetail. Margins of marshes and rivers. 2, 3.
—**pratense** Ehrh. Meadow Horsetail. Wet soil in forest and meadows. 2, 3a, 4, 5.
—**scirpoides** Michx. Dwarf Scouring-rush. Wet places in forests. 2, 4, 5, 6.
—**sylvaticum** L. var. **pauciramosum** Milde Woodland Horsetail. Wet shady spots in forests. 4, 5, 6.
—**variegatum** Schleich. Variegated Horsetail. Wet places in forests. 3a, 4.

LYCOPODIACEAE. Club-Moss Family.

Lycopodium annotinum L. Stiff Club-moss. Forests. 3a, 4, 5, 6.
var. **pungens** Desv. Athabaska Lake.
var. **acrifolium** Fern. 6.
—**clavatum** L. Running Club-moss. Forests. 4, 5, 6.
—**complanatum** L. Trailing Club-moss. Forests. 4, 5, 6.
—**obscurum** L. Ground Pine. Forests. 4, 5, 6.
var. **dendroideum** (Michx.) D.C. Eat. 3a, 4.
—**sabinaefolium** Willd. var. **sitchense** (Rupr.) Fern. Sitkan Club-moss. Forests. Athabaska Lake.
—**tristachyum** Pursh Three-spiked Ground-pine. Forests. 6.

SELAGINELLACEAE. Little Club-Moss Family.

Selaginella densa Rydb. Prairie Selaginella. Dry Prairie. 1, 2, 3, 3a.
—**rupestris** (L.) Spreng. Rock Selaginella. Dry rocks or sand. 4, 5, 6.
—**selaginoides** (L.) Link Prickly Selaginella. Bogs. 2, **4**.

SPERMATOPHYTA. Seed Plants.

GYMNOSPERMAE. Gymnosperms.

PINACEAE. Pine Family.

Abies balsamea (L.) Mill. Balsam Fir. Forests. 4, 5, 6.
Larix laricina (Du Roi) Koch Tamarack. Swamps. 3, 4, 5, 6.
Picea glauca (Moench) Voss White Spruce. Forests. 3, 4, 5, 6.
var. **albertiana** (S. Br.) Sarg. Cypress Hills.
—**mariana** (Mill.) B.S.P. Black Spruce. Low ground and swamps. 4, 5, 6.
Pinus banksiana Lamb. Jack Pine. Sandy or rocky land. 4, 5, 6.
—**murrayana** Balf. *P. contorta* Doug. var. *latifolia* Engelm. Lodge-pole Pine. Cypress Hills.

JUNIPERACEAE. Juniper Family.

Juniperus sibirica Burgsd. *J. communis* L. var. *saxatilis* Pall. Low Juniper. Dry slopes along the Saskatchewan River and sandy knolls. 1, 2, 3, 3a, 4, 6.
Sabina horizontalis (Moench) Rydb. *Juniperus horizontalis* Moench Creeping Juniper. Dry banks and sandy knolls. 1, 2, 3, 4.

ANGIOSPERMAE. Angiosperms.

MONOCOTYLEDONES. Monocotyledons.

TYPHACEAE. Cat-tail Family.

Typha latifolia L. Cat-tail. Marshy or boggy places. 1, 2, 3, 3a, 4, 5.

SPARGANIACEAE. Bur-reed Family.

Sparaganium acaule (Beeby) Rydb. Stemless Bur-reed. Muddy shores. 2, 3, 5.
—**angustifolium** Michx. Narrow-leaved Bur-reed. Marshes. 6.
—**eurycarpum** Engelm. Broad-fruited Bur-reed. Lake and river shores. 1, 2, 3, 4, 5.
—**fluctuans** (Morong) Robins. Floating Bur-reed. Lakes. 6.
—**minimum** (Hartm.) Fries Small Bur-reed. Sloughs and lakes. 4, 6.
—**multipedunculatum** (Morong) Rydb. Bur-reed. Lake and river shores. 1, 2, 3, 3a, 4, 5.

ZANNICHELLIACEAE. Pondweed Family.

Potamogeton alpinus Balbis var. **tenuifolius** (Raf.) Ogden Northern Pondweed. Lakes. 3, 4, 6.
var. **subellipticus** (Fern.) Ogden Athabaska Lake and Lac la Ronge.
—**amplifolius** Tuckerm. Large-leaved Pondweed. Lakes in 5 to 6 feet of water. 5.
—**compressus** L. *P. zosteriformis* Fern. Flat-stemmed Pondweed. Lakes. 2, 4, 5.
—**filiformis** Pers. var. **borealis** (Raf.) St. John Filiform Pondweed. Lakes. 3, 4, 5.
var. **macounii** Morong Small stream. Ravenscrag.
—**foliosus** Raf. var. **macellus** Fern. Leafy Pondweed. Lakes and rivers. 1.
—**friesii** Rupr. Fries' Pondweed. In still water. 2, 6.
—**heterophyllus** Schreb. *P. gramineus* L. var. *maximus* Morong Various-leaved Pondweed. Sloughs and lakes. 2, 3, 3a, 6.
—**natans** L. Floating Pondweed. Lakes. 2, 5.
—**obtusifolius** Mert. and Koch Blunt-leaved Pondweed. Lakes. 6.
—**pectinatus** L. Fennel-leaved Pondweed. Lakes and sloughs. 1, 2, 3, 4.
—**praelongus** Wulf. White-stemmed Pondweed. Lakes. 2, 5, 6.
—**pusillus** L. var. **mucronatus** (Fieber) Graebn. Small Pondweed. Lakes. 2, 4, 6.
—**richardsonii** (Benn.) Rydb. Pondweed. Lakes and sloughs. 1, 2, 3, 3a, 4, 5, 6.
—**strictifolius** Benn. var. rutiloides Fern. Narrow-leaved Pondweed. Lakes. 2, 3a, 5.
—**vaginatus** Turcz. Sheathed Pondweed. Lakes and sloughs. 1, 2, 3, 3a, 4, 5.
Ruppia maritima L. Ditch-grass. Lakes and sloughs. 1, 3.
—**occidentalis** S. Wats. Widgeon-grass. Lake and sloughs. 1, 2, 3, 4.
Zannichellia palustris L. Horned Pondweed. Saline lakes and sloughs. 1, 2, 3.

SCHEUCHZERIACEAE. Arrow-grass Family.

Triglochin maritima L. Arrow-grass. Saline sloughs and marshes. 1, 2, 3, 3a, 4.
—**palustris** L. Slender Arrow-grass. Shores of lakes and sloughs and in bogs. 1, 2, 3, 3a, 4.
Scheuchzeria palustris L. var. **americana** Fern. Bogs. 5.

ALISMACEAE. Water-plantain Family.

Alisma brevipes Greene *A. triviale* Pursh Water-plantain. Muddy shores and sloughs. 1, 2, 3, 3a.
—**geyeri** Torr. *A. gramineum* K. C. Gmel. Grass-like Water-plantain. Muddy shores. 1, 2, 3.
—**subcordatum** Raf. Water-plantain. Muddy sloughs. 2.
Sagittaria cuneata Sheld. Arrowhead. Muddy shores and sloughs. 1, 2, 3, 5.
—**latifolia** Willd. Arrowhead. Muddy shores and sloughs. 1, 2, 3, 4.

ELODEACEAE. Water-weed Family.

Anacharis canadensis (Michx.) Planch. *Elodea canadensis* Michx. Water-weed. In rivers and creeks in the southeastern corner of the province.

POACEAE. Grass Family.

Agropyron albicans Scribn. and Smith Awned Northern Wheat-grass. Prairie. 1, 2, 3, 3a.
—**bakeri** E. Nels. Baker's Wheat-grass. Prairie. 1.
—**cristatum** (L.) Gaertn. Crested Wheat-grass. Cultivated extensively and escaped from cultivation in many parts of the province.
—**dasystachyum** (Hook.) Scribn. Northern Wheat-grass. Dry prairie. 1, 2, 3, 3a, 4.
—**desertorum** (Fisch.) Schult. Crested Wheat-grass. Introduced from Russia and escaped in places. Well adapted to the drier parts of the province.
—**elongatum** (Host.) Beauv. Tall Wheat-grass. Introduced from Eurasia. Grows well in wet saline meadows.
—**griffithsii** Scribn. and Smith Griffith's Wheat-grass. Dry prairie. 2.
—**intermedium** (Host.) Beauv. Intermediate Wheat-grass. Introduced from Eurasia. Adapted to conditions found in zones 2 and 3.
—**repens** (L.) Beauv. Eastern Couch-grass. Cultivated fields. Established in many districts and a very persistent weed. 2, 3, 3a, 4.
var. **subulatum** (Schreb.) Reichenb. 1, 2.
—**riparium** Scribn. and Smith Streambank Wheat-grass. Prairie. Scott.
—**smithii** Rydb. Western Couch-grass. Dry prairie and cultivated fields. 1, 2, 3.
—**spicatum** (Pursh) Scribn. and Smith Bluebunch Wheat-grass. Prairie. 1, 2, 3a.
—**subsecundum** (Link) Hitchc. *A. trachycaulum* (Link.) Malte var. *unilaterale* (Cassidy) Malte Awned Wheat-grass. Moist prairie near bluffs. 1, 2, 3, 3a, 4, 5.
—**trachycaulum** (Link) Malte *A. pauciflorum* (Schwein.) Hitchc. Slender Wheat-grass. Moist prairie. 1, 2, 3, 3a, 4.
var. **novae-angliae** (Scribn.) Fern. McKague.
—**triticeum** Gaertn. Introduced from Russia. Cypress Hills.

Agrostis borealis Hartm. Northern Bent-grass. Athabaska Lake.
—**alba** L. Redtop. Introduced as a hay and pasture grass. Escaped in zones 3 and 4.
—**exarata** Trin. Spike Bent. Moist prairie. 1, 2, 3a.
—**palustris** Huds. *A. alba* var. *palustris* (Huds.) Pers. Creeping Bent. Marshes. 1, 3, 4. Coming into use on the greens of our golf courses.
—**scabra** Willd. Rough Hairgrass. Meadows. 1, 2, 3, 3a, 4, 5, 6.
—**stolonifera** L. *A. alba* L. Redtop. 1, 2, 3, 3a, 4.
Alopecurus aequalis Sobol. Water Foxtail. Margins of sloughs. 1, 2, 3, 3a, 4, 5. *A. geniculatus* L. is regarded as a variety of this species.
—**alpinus** Smith *A. occidentalis* Scribn. and Tweedy Alpine Foxtail. Cypress Hills.
Andropogon gerardi Vitman *A. furcatus* Muhl. Big Bluestem. Dry prairie. 3.
—**scoparius** Michx. Little Bluestem. Hummocky bogs and meadows and on sheltered hillsides. 1, 2, 3.
Aristida longiseta Steud. var. **robusta** Merr. Red Three-awn. Val Marie.
Avena sativa L. Oats. One of the main cereals grown under cultivation in the province.
—**fatua** L. Wild Oats. A troublesome weed in cultivated fields. 2, 3, 4.
Beckmannia syzigachne (Steud.) Fern. Sloughgrass. Margins of sloughs. 1, 2, 3, 3a, 4, 5.
Bouteloua curtipendula (Michx.) Torr. Side-oats Grama. Dry prairie. Estevan district.
—**gracilis** (H.B.K.) Lag. Blue Grama. Dry prairie. 1, 2, 3, 3a, 4.
Briza maxima L. Quaking Grass. Introduced from Europe. Blue Bell.
Bromus anomalus Rupr. Nodding Brome. Moist prairie and margins of bluffs. 1, 2, 3, 3a, 4.
—**breviaristatus** Buckl. Erect Brome. Cypress Hills and Wood Mountain.
—**carinatus** Hook. and Arn. California Brome. 1, 3a.
—**ciliatus** L. Fringed Brome. Forests and bluffs. 2, 3, 3a, 4, 5.
—**inermis** Leyss. Smooth Brome. Cultivated extensively and escaped from cultivation in many places. 1, 2, 3, 3a, 4.
—**japonicus** Thunb. Japanese Chess. Simpson.
—**latiglumis** (Shear) Hitchc. Broad-glumed Brome. Bluffs. 1, 2, 3, 4.
—**pumpellianus** Scribn. Northern Awnless Brome. Forests and bluffs. 3, 3a, 4, 5.
—**purgans** L. Canada Brome. Moist forest. 2, 3a.
—**tectorum** L. Downy Chess. Roadsides and vacant lots. 1, 4, 5.
Calamagrostis canadensis (Michx.) Beauv. Marsh Reedgrass. Marshes and sloughs. 1, 2, 3, 3a, 4, 5, 6.
var. **robusta** Vasey Athabaska Lake.
var. **scabra** (Presl) Hitchc. Athabaska Lake.
—**inexpansa** Gray Northern Reedgrass. Meadows and marshes. 1, 2, 3, 4, 5.
var. **brevior** (Vasey) Stebbins Athabaska Lake.
—**montanensis** Scribn. Plains Reedgrass. Dry prairie and hills on sandy soil. 1, 2, 3, 4.
—**neglecta** (Ehrh.) Gaertn., Mey. and Schreb. Narrow Reedgrass. Marshes. 1, 2, 3, 3a, 4, 6.
—**purpurascens** R. Br. Purple Reedgrass. Athabaska Lake.
—**rubescens** Buchl. Pinegrass. Cypress Hills.
Calamovilfa longifolia (Hook.) Scribn. Sandgrass. Sand dunes. 1, 2, 3, 3a, 4.
Catabrosa aquatica (L.) Beauv. Brookgrass. Spring-fed pools and rivulets. 1, 2, 3, 3a, 4.
Cinna latifolia (Trev.) Griseb. Slender Woodgrass. Forests. 1, 3, 4, 5, 6.

Dactylis glomerata L. Orchard Grass. Waskesiu Lake.
Danthonia californica Boland. var. **americana** (Scrib.) Hitchc. California Oatgrass. 2, 3a.
—**intermedia** Vasey Timber Oatgrass. Meadows and bogs and on benchlands in zone 3a. 1, 2, 3a, 4.
—**spicata** (L.) Beauv. Poverty Oatgrass. Open pine forest. 3a, 4, 6.
var. **pinetorum** (Piper) Piper Athabaska Lake.
—**unispicata** (Thurb.) Munro One-spike Oatgrass. 2, 3a.
Deschampsia caespitosa (L.) Beauv. Hairgrass. Moist meadows. 1, 2, 3, 3a, 4, 5.
—**mackenzieana** Raup Hairgrass. Athabaska Lake.
Digitaria sanguinalis (L.) Scop. Crabgrass. Imported weed seen occasionally in gradens.
Distichlis stricta (Torr.) Rydb. Alkali Grass. Saline meadows. 1, 2, 3.
Echinochloa crus-galli (L.) Beauv. Barnyard Grass. Imported weed seen occasionally in gardens. 2, 3, 4.
Elymus arenarius L. var. **villosus** Mey. Athabaska Lake.
—**canadensis** L. Canada Wild Rye. Sandy prairie. 1, 2, 3, 3a.
—**condensatus** Presl Giant Wild Rye. Sandy prairie. 1, 2, 3a.
glaucus Buckl. Smooth Wild Rye. Cypress Hills.
—**hirtiflorus** Hitchc. Blue Wild Rye. McKague.
—**innovatus** Beal Hairy Wild Rye. Open forests. 2, 3, 3a, 4, 5, 6.
—**interruptus** Buckl. Variable-glumed Wild Rye. Open forests. 2, 3, 4.
—**junceus** Fisch. Russian Wild Rye. Introduced as a hay and pasture grass. Adapted to conditions found in zones 1, 2, and 3.
—**mackenzieana** Raup Mackenzie's Wild Rye. Sandy shores and dunes. Athabaska Lake.
—**macounii** Vasey Macoun's Wild Rye. Moist meadows. 1, 2, 3, 4.
According to Stebbins this is not a true species but a hybrid between *Agropyron trachycaulum* and *Hordeum jubatum*.
—**virginicus** L. Virginia Wild Rye. Margins of bluffs. 1, 2, 3, 4.
var. **submuticus** Hook. 2, 4.
Festuca elatior L. Meadow Fescue. Meadows. 2, 4.
—**idahoensis** Elmer Bluebunch Fescue. Open woods and on benchlands in zone 3a. 2, 3a.
—**octoflora** Walt. Six-weeks Fescue. Sand dunes. Piapot.
—**ovina** L. Sheep's Fescue. Open woods. 2, 4, 5.
var. **brachyphylla** (Schult.) Piper Alpine Fescue. Athabaska Lake.
—**rubra** L. Red Fescue. Athabaska Lake.
var. **arenaria** (Osbeck) Fries Athabaska Lake.
var. **saximontana** (Rydb.) Hitchc. *F. saximontana* Rydb. Mountain Fescue. Open woods. 1, 3, 3a, 4, 6.
—**scabrella** Torr. Rough Fescue. Dry prairie. 1, 2, 3, 3a.
Glyceria borealis (Nash) Batch. Northern Mannagrass. Marshes and sloughs. 2, 3, 3a, 4, 5.
—**grandis** S. Wats. Tall Mannagrass. Marshes and sloughs. 1, 2, 3, 3a, 4, 5.
—**pauciflora** Presl *G. pulchella* (Nash) K. Sch. Small-flowered Mannagrass. Wet meadows and marshes. 3, 4, 5, 6.
—**pulchella** (Nash) K. Sch. Graceful Mannagrass. Meadows. 1, 2, 3.
—**striata** (Lam.) Hitchc. var. **stricta** (Scribn.) Fern. Fowl Mannagrass. Wet meadows. 1, 2, 3, 3a, 4, 5.
Helictotrichon hookeri (Scribn.) Henr. *Avena hookeri* Scribn. Hooker's Oatgrass. Prairie. 1, 2, 3, 3a, 4.
Hierochloë odorata (L.) Beauv. Sweetgrass. Moist prairie. Sometimes persists as a weed in cultivated soil. 1, 2, 3, 4, 5, 6.

Hordeum brachyantherum Nevski *H. nodosum* L. Meadow Barley. Cypress Hills.
—**jubatum** L. Wild Barley. Saline depressions and cultivated fields. 1, 2, 3, 3a, 4.
var. **caespitosum** (Scribn.) Hitchc. 1, 2, 3, 3a.
—**vulgare** L. Barley. One of our commonest cultivated cereals. Both bearded and hooded varieties are used.
Koeleria cristata (L.) Pers. Junegrass. Prairie. 1, 2, 3, 3a, 4.
Lolium persicum Boiss. Darnel. Imported weed, common in grainfields. 2, 3, 4.
—**multiflorum** Lam. Italian Ryegrass. Tisdale.
—**temulentum** L. var. **leptochaeton** A. Br. Saskatoon.
Muhlenbergia asperifolia (Nees and Mey.) Parodi Scratchgrass. Moist prairie. 1, 2, 3.
—**cuspidata** (Torr.) Rydb. Prairie Muhly. Dry prairie and hillsides. 1, 2, 3, 3a.
—**glomerata** (Willd.) Trin. Bog Muhly. Bogs. 4.
—**racemosa** (Michx.) B.S.P. Marsh Muhly. Marshes and bogs. 2, 3, 3a, 4.
—**richardsonis** (Trin.) Rydb. Mat Muhly. Saline prairie. 1, 2, 3.
Munroa squarrosa (Nutt.) Torr. False Buffalo Grass. Dry prairie. 1.
Oryzopsis asperifolia Michx. Mountain Rice. Popular bluffs and forests. 2, 3, 3a, 4, 5, 6.
—**canadensis** (Poir.) Torr. Canadian Ricegrass. 3, 4.
—**hymenoides** (R. and S.) Ricker Indian Ricegrass. Sandy prairie and dunes. 1, 2, 3, 3a.
—**micrantha** (T. and R.) Thurb. Littleseed Ricegrass. Wooded coulees. 1, 2.
—**pungens** (Torr.) Hitchc. Slender Mountain Rice. Sandy soil in forests. 3, 4, 5, 6.
Panicum capillare L. Witch Grass. Elfros.
var. **occidentale** Rydb. 3, 4.
—**depauperatum** Muhl. Panic Grass. Moosomin.
—**miliaceum** L. Broom-corn Millet. Cultivated to a limited extent in this province.
—**subvillosum** Ashe. Panic Grass. Athabaska Lake.
—**virgatum** L. Switch Grass. Gainsborough.
—**wilcoxianum** Vasey Witch Grass. Sandy prairie and dunes. 3.
Phalaris arundinacea L. Reed Canary-grass. Wet meadows. 2, 3, 3a, 4, 5. Cultivated to some extent in wet meadows.
var. **picta** L. Ribbon Grass. Cultivated in gardens.
—**canariensis** L. Canary Grass. Imported grass. 1, 2, 3, 4.
Phleum alpinum L. Alpine Timothy. Cypress Hills.
—**pratense** L. Timothy. Cultivated to a slight extent and escaped in many places. 2, 3, 3a, 4, 5, 6.
Phragmites communis Trin. var. **berlandieri** (Fourn.) Fern. Reed Grass. Margins of marshes and lakes. 2, 3, 4, 5.
Poa alpina L. Alpine Bluegrass. Athabaska Lake.
—**ampla** Merr. Big Bluegrass. Gull Lake.
—**annua** L. Annual Bluegrass. 3a, 4, 5. Cultivated to some extent on the greens of our golf courses.
—**arida** Vasey Plains Bluegrass. Dry prairie. 1, 2, 3.
—**canbyi** (Scribn.) Piper Canby's Bluegrass. Dry prairie. 1, 2, 3, 3a.
—**compressa** L. Canada Bluegrass. Established in several districts. 1, 2, 3, 4.
—**cusickii** Vasey Early Bluegrass. Dry prairie. 1, 2, 3.

—**glauca** Vahl Athabaska Lake and Lac la Ronge.
—**glaucifolia** Scribn. and Will. Smooth-leaved Bluegrass. Swift Current and Cypress Hills.
—**interior** Rydb. Inland Bluegrass. Moist prairie and open woods. 1, 2, 3, 4.
—**juncifolia** Scribn. Alkali Bluegrass. Saline meadows. 1, 3a.
—**lanata** Scribn. and Merr. Athabaska Lake.
—**nemoralis** L. Wood Bluegrass. Open forest. 2, 4.
—**nervosa** (Hook.) Vasey Wheeler's Bluegrass. Open forests and bluffs. 2, 3a.
—**palustris** L. Fowl Bluegrass. Meadows and marshes. 1, 2, 3, 3a, 4, 5, 6.
—**pratensis** L. Kentucky Bluegrass. Used extensively as a lawn grass. Escaped in places. 2, 3, 3a, 4, 5, 6.
—**rupicola** Nash Timberline Bluegrass. Cypress Hills.
—**scabrella** (Thurb.) Benth. Pine Bluegrass. Prairie and open woods. 2.
—**secunda** Presl Sandberg's Bluegrass. Dry prairie. 1, 2, 3a.
Puccinellia airoides (Nutt.) Wats. and Coult. *P. nuttalliana* (Schult.) Hitchc. Nuttall's Salt-meadow Grass. Saline meadows. 1, 2, 3, 4, 5.
—**distans** (L.) Parl. Slender Salt-meadow Grass. Saline meadows. 3, 4.
Schedonnardus paniculatus (Nutt.) Trel. Tumble Grass. Dry prairie. 1, 2.
Schizachne purpurascens (Torr.) Swallen Purple Oatgrass. Bluffs and forests. 2, 3, 3a, 4, 6.
Scolochloa festucacea (Willd.) Link *Fluminia festucacea* (Willd.) Hitchc. Spangletop. Sloughs and marshes. 1, 2, 3, 5.
Secale cereale L. Rye. Cultivated in many parts of the province, especially on sandy soil. Both fall and spring varieties are grown.
Setaria lutescens (Weigel) Hubb. Yellow Foxtail. Regina.
—**viridis** (L.) Beauv. Green Foxtail. Cultivated fields and gardens. 1, 2, 3, 4.
Sitanion hystrix (Nutt.) J. G. Smith Squirreltail. Val Marie.
Spartina gracilis Trin. Alkali Cordgrass. Saline meadows and margins of streams. 1, 2, 3, 4.
—**pectinata** Link Prairie Cordgrass. Marshes and margins of streams. 2, 3.
Sphenopholis intermedia (Rydb.) Rydb. Slender Wedgegrass. Moist places in woods. 2, 3, 3a, 4.
—**obtusata** (Michx.) Scribn. Prairie Wedgegrass. Moist prairie and open woods. 1, 2, 3, 4, 5.
—**pallens** (Bieler) Scribn. Tall Wedgegrass. Forests. 3a, 4.
Sporobolus cryptandrus (Torr.) Gray Sand Dropseed. Sandy prairie and dunes. 1, 2, 3, 4.
—**heterolepis** (Gray) Gray Prairie Dropseed. Moist prairie. 2, 3 , 4.
Stipa columbiana Macoun Columbia Needlegrass. Prairie. 1, 2, 3, 3a.
—**comata** Trin. and Rupr. Speargrass. Dry prairie. 1, 2, 3.
var. **intermedia** Scribn. and Tweedy 2, 3.
—**richardsonii** Link Richardson's Speargrass. Open forests. 3a, 4.
—**spartea** Trin. Porcupine Grass. Dry prairie and hills. Eastern Saskatchewan in zones 2, 3, and 4.
var. **curtiseta** Hitchc. 1, 2, 3.
—**viridula** Trin. Green Speargrass. Dry prairie and hills. 1, 2, 3, 4.
Trisetum spicatum (L.) Richt. Spike Trisetum. Alpine meadows. Cypress Hills.
—**wolfii** Vasey Wolf's Trisetum. Cypress Hills.
Triticum aestivum L. Wheat. The most extensively cultivated cereal in the province. Practically all of the wheat grown belongs to spring varieties. A very little fall wheat is produced.

CYPERACEAE. Sedge Family.

Carex adusta Boott Browned Sedge. Sandy soil. 4, 5, 6.
—**aenea** Fern. Hay Sedge. Open woods and prairie. 1, 2, 3, 3a, 4, 5.
—**alopecoidea** Tuck. Foxtail Sedge. Meadows. 1, 2, 4.
—**aquatilis** Wahl. Water Sedge. Sloughs, marshes and bogs. 1, 2, 3, 3a, 4, 5, 6.
—**assiniboinensis** W. Boott Assiniboia Sedge. Bluffs, forests and shores. 2, 3.
—**atherodes** Spreng. Awned Sedge. Margins of sloughs. 1, 2, 3, 3a, 4, 5, 6.
—**athrostachya** Oln. Long-bracted Sedge. Margins of sloughs. 1, 2, 3, 3a, 4.
—**aurea** Nutt. Golden Sedge. Meadows and bogs. 1, 2, 3, 3a, 4, 5, 6.
—**backii** Boott Back's Sedge. Wooded river banks. 2, 3a, 4, 5, 6.
—**bebbii** Oln. Bebb's Sedge. Marshes. 2, 3, 3a, 4, 5.
—**brevior** (Dew.) Mack. Broad-fruited Sedge. Dry prairie. 1, 2, 3, 3a.
—**brunnescens** (Pers.) Poir. Brownish Sedge. Rocks and open woods. 4, 5, 6.
—**buxbaumii** Wahl. Brown Sedge. 2, 4, 6.
—**canescens** L. var. **subloliacea** Lae. Hoary Sedge. Marshes and bogs. 3a, 4, 5, 6.
—**capillaris** L. Hair-like Sedge. Wet forest and margins of bogs. 2, 3, 3a, 4, 5.
—**capitata** L. Capitate Sedge. Gravelly soil. 4, 6.
—**chordorrhiza** L. Prostate-stemmed Sedge. Bogs. 4, 5, 6.
—**concinna** R. Br. Low Northern Sedge. Forests. 3, 3a, 4, 5.
—**crawfordii** Fern. Crawford's Sedge. Moist forests and sandy shores. 4, 5, 6.
—**cristatella** Britt. Little Crested Sedge. Moist forests and bogs. 2, 4, 5.
—**deflexa** Horn. Deflexed Sedge. Forests. 6.
—**deweyana** Schw. Dewey's Sedge. Bluffs and forested slopes. 2, 3, 3a, 4, 5.
—**diandra** Schrank Lesser Panicled Sedge. Bogs. 2, 3a, 4, 5, 6.
—**disperma** Dew. Soft-leaved Sedge. Moist forests and bogs. 2, 3, 3a, 4, 5, 6.
—**douglasii** Boott Douglas' Sedge. Moist prairie. 1, 2, 3a.
—**eburnea** Boott Bristle-leaved Sedge. Shady woods. 1, 2.
—**eleocharis** Bail. Involute-leaved Sedge. Dry prairie. 1, 2, 3.
—**exsiccata** Bail. Lac la Ronge.
—**festivella** Mack. Dark-fruited Sedge. Margins of sloughs and lakes. 3, 3a, 4, 5.
—**filifolia** Nutt. Thread-leaved Sedge. Dry hillsides. 1, 2, 3.
—**foenea** Willd. Dry-spiked Sedge. Dry prairie and open woods. 1, 2, 3, 4, 5, 6.
—**garberi** Fern. var. **bifaria** Fern. Garber's Sedge. Shady margins of bogs. 2, 3a, 4, 5, 6.
—**glacialis** Mack. Glacier Sedge. Athabaska Lake.
—**gynocrates** Wormsk. Northern Bog Sedge. Wet soil in forests. 2, 3, 4, 5.
—**heleonastes** L. Hudson Bay Sedge. 4, 5, 6.
—**heliophila** Mack. *C. pennsylvanica* Lam. var. *digyna* Boeckl. Sun-loving Sedge. Dry prairie. 1, 2, 3, 4, 5.
—**hoodii** Boott Hood's Sedge. Cypress Hills.
—**hookerana** Dew. Hooker's Sedge. Moist prairie and open woods. 2, 3a, 4.
—**houghtonii** Torr. Houghton's Sedge. Open woods. 1, 4, 5, 6.
—**hystricina** Muhl. Porcupine Sedge. Margins of bogs and marshes. 2, 3, 6.
—**inflata** Huds. *C. rostrata* Stokes Inflated Sedge. Marshes. 2, 3, 3a, 4, 5, 6.
var. **utriculata** (Boott) Druce *C. rostrata* Stokes var. *utriculata* (Boott) Bail. Beaked Sedge. Margins of sloughs and lakes. 2, 3, 4.
—**interior** Bail. Inland Sedge. Marshes and bogs. 2, 3, 4.

—**lacustris** Willd. Lakebank Sedge. Margins of sloughs and lakes. 4, 5, 6.
—**laeviconica** Dew. Glabrous-fruited Sedge. Moist prairie and marshes. 2, 3, 4, 5.
—**lanuginosa** Michx. Woolly Sedge. Margins of sloughs and bogs. 1, 2, 3, 4.
—**lasiocarpa** Ehrh. var. **americana** Fern. Slender Sedge. Marshes. 3, 4, 5, 6.
—**lenticularis** Michx. Lenticular Sedge. Meadows. Athabaska Lake and Lac la Ronge.
—**leptalea** Wahl. Bristle-stalked Sedge. Wet springy spots in forests. 2, 3, 4, 5.
—**limosa** L. Mud Sedge. Bogs. 2, 3, 4, 5, 6.
—**livida** (Wahl.) Willd. Livid Sedge. Bogs. 2, 4.
—**loliacea** L. Athabaska Lake and Lac la Ronge.
—**obtusata** Lilj. Blunt Sedge. Dry prairie. 1, 2, 3, 3a, 4.
—**oligosperma** Michx. Peat bogs and acid swamps. 6.
—**pachystachya** Cham. Thick-seeded Sedge. Cypress Hills.
—**parryana** Dew. Parry's Sedge. Moist prairie. 1, 2, 3, 4.
—**paupercula** Michx. var. **irrigua** (Wahl.) Fern. Bog Sedge. Meadows and bogs. 4, 5.
—**peckii** Howe Peck's Sedge. Wet shady spots in forests. 2, 3, 4, 5.
—**petasata** Dew. Caespitose Sedge. Cypress Hills.
—**physocarpa** Presl Bubble Sedge. Athabaska Lake.
—**praegracilis** W. Boott Graceful Sedge. Meadows. 1, 2, 3, 4.
—**prairea** Dew. Prairie Sedge. Meadows and wet margins of bluffs. 2, 3, 4, 5, 6.
—**praticola** Rydb. Northern Meadow Sedge. Open forests and meadows. 1, 2, 3, 3a, 4, 5.
—**pseudo-cyperus** L. Cyperus-like Sedge. Marshes. McKague.
—**raeana** Boott *C. vesicaria* L. var. *raeana* (Boott) Fern. Rae's Sedge. Methy Portage.
—**raymondii** Calder Raymond's Sedge. Margins of streams and damp shady slopes. 4, 5.
—**raynoldsii** Dew. Raynold's Sedge. Cypress Hills.
—**retrorsa** Schw. Retrorse Sedge. Wooded shores. 2, 4, 5.
—**richardsonii** R. Br. Richardson's Sedge. Prairie. 3, 4.
—**rossii** Boott Ross' Sedge. Shady banks. 2, 3, 4, 5.
—**saltuensis** Bail. *C. vaginata* Tausch. Sheathed Sedge. Forest bogs. 2, 3, 4, 5.
—**sartwellii** Dew. Sartwell's Sedge. Margins of marshy sloughs. 1, 2, 3, 4, 5.
—**saximontana** Mack. Mountain Sedge. Bluffs. 2, 3.
—**scirpiformis** Mack. *C. scirpoidea* Michx. var. *scirpiformis* (Mack.) O'Niell and Duman. Scirpus-like Sedge. Wet meadows. 1, 2, 3, 4.
—**scirpoidea** Michx. Athabaska Lake.
—**scoparia** Schk. Pointed Broom Sedge. Meadows and open woods. 3.
—**simulata** Mack. Mimic Sedge. 2, 3a.
—**sprengelii** Dew. Sprengel's Sedge. Bluffs and wooded ravines. 1, 2, 3, 3a, 4.
—**sterilis** Willd. Sterile Sedge. Meadows. 4, 5, 6.
—**stipata** Muhl. Awl-fruited Sedge. Marshes and shores. 2, 3a, 4, 5, 6.
—**supina** Willd. Weak Arctic Sedge. Dry rocks and sands. Athabaska Lake.
—**sychnocephala** Car. Dense Long-beaked Sedge. Meadows. 2, 3, 4, 5, 6.
—**tenera** Dew. Straw Sedge. Meadows and bluffs. 1, 2, 4.
—**tenuiflora** Wahl. Sparse-flowered Sedge. Bogs. 4, 5, 6.
—**tincta** Fern. Margins of marshes and wet open woods. Waskesiu Lake.
—**tonsa** (Fern.) Bickn. Deep Green Sedge. Dry sandy soil. 4, 5, 6.
—**torreyi** Tuck. Torrey's Sedge. Meadows. 1, 2, 3, 4.

—**umbellata** Schk. Umbellate Sedge. Lac la Ronge.
—**vahlii** Schk. *C. norvegica* Retz. Alpine Sedge. 4, 5, 6.
—**vesicaria** L. Blister Sedge. 2, 4, 5.
viridula Michx. Green Sedge. Gravelly shores and springy places. 1, 2, 4, 5, 6.
—**vulpinoidea** Michx. Fox Sedge. 5, 6.
—**xerantica** Bail. White-scaled Sedge. (Erect Sedge) Prairie. 1, 2, 3, 4.
Cyperus inflexus Muhl. Awned Nut-grass. Margin of slough. Mortlach.
—**schweinitzii** Torr. Schweinitz's Cyperus. Sandy beaches and dunes. 2, 3.
—**strigosus** L. Straw-coloured Cyperus. Wet meadows. Watrous.
Eleocharis acicularis (L.) R. and S. Needle Spike-rush. Marshy sloughs. 1, 2, 3, 4.
—**calva** Torr. Bald Spike-rush. Wet shores and marshes. 2, 3a, 4.
—**compressa** Sull. Flattened Spike-rush. Gravelly and sandy shores. 2, 3.
—**mamillata** Lindb. *E. macrostachya* Britt. Creeping Spike-rush. Margins of sloughs and marshes. 1, 2, 3, 4, 5, 6. Specimens formerly listed as *E. palustris* were changed to this species on the advice of H. K. Svenson.
—**pauciflora** (Lightf.) Link Few-flowered Spike-rush. 1, 2, 3, 3a, 4, 6.
—**uniglumis** (Link) Schult. One-glumed Spike-rush. Nipawin.
Eriophorum angustifolium Roth Tall Bog-cotton. Bogs. 2, 3, 4, 5, 6.
—**chamissonis** Mey. Russet Bog-cotton. Bogs. 4, 5, 6.
—**gracile** Koch Slender Bog cotton. Bogs. 3, 4.
opacum (Bjornstr.) Fern. Close-sheathed Bog-cotton. Bogs. 4, 5, 6.
—**spissum** Fern. Sheathed Bog-cotton. Bogs. 4, 5, 6.
—**tenellum** Nutt. Delicate Bog-cotton. Athabaska Lake.
viridicarinatum (Engelm.) Fern. Thin-leaved Bog-cotton. Bogs. 2, 3, 4, 5, 6.
Leucocoma alpina (L.) Rydb. *Scirpus hudsonianus* (Michx.) Fern. Alpine Cotton-grass. 4.
Mariscus mariscoides (Muhl.) Kuntze *Cladium mariscoides* (Muhl.) Torr. Twig-rush. 4.
Rhynchospora alba (L.) Vahl White Beak-rush. Bogs. 4.
—**capillacea** Torr. Hair-like Beak-rush. Bogs. 4.
Scirpus acutus Muhl. Great Bulrush. Sloughs and lake shores. 1, 2, 3, 4, 5.
americanus Pers. Three-square Bulrush. Margins of sloughs and lake shores. 1, 2, 3, 4.
—**atrocinctus** Fern. Black-girdled Bulrush. Meadows and bogs. 5, 6.
—**caespitosus** L. var. **callosus** Bigel. Tufted Bulrush. Peaty Bogs. 4, 6.
—**clintonii** Gray Clinton's Bulrush. Meadow Lake.
—**cyperinus** (L.) Kunth Wool-grass. Bogs. 4, 5.
—**fluviatilis** (Torr.) Gray River Bulrush. Margin of lake. Pike Lake and Lac la Ronge.
—**nevadensis** S. Wats. Nevada Bulrush. Lake shores. 1, 2, 3, 3a.
—**paludosus** A. Nels. Prairie Bulrush. Grows in extensive colonies in saline flats. 1, 2, 3.
—**pumilus** Vahl *S. rollandii* Fern. Dwarf Bulrush. Bog. Sutherland.
—**rubrotinctus** Fern. Small-fruited Bulrush. Bogs and marshes. 2, 3, 3a, 4, 5, 6.
—**rufus** (Huds.) Schrad. var. **neogaeus** Fern. Red Bulrush. Bogs. 2.
—**validus** Vahl Great Bulrush. Margins of sloughs and lakes. 1, 2, 3, 4, 5.
var. **creber** Fern. Hoosier.

ARACEAE. Arum Family.

Acorus calamus L. Sweet Flag. Margins of lakes and streams. 2, 3, 4, 5, 6.
Calla palustris L. Water Calla. Margins of lakes and bogs. 4, 5, 6.

LEMNACEAE. Duckweed Family.

Lemna minor L. Duckweed. Floating on lakes and sloughs. 1, 2, 3, 3a, 4, 5, 6.
—**trisulca** L. Ivy-leaved Duckweed. In water of lakes, sloughs, and streams. 2, 3, 4, 5.
Spirodela polyrhiza (L.) Schleid. Large Duckweed. Floating on water at the margins of lakes and sloughs. 4, 5, 6.

MELANTHACEAE. Bunch-flower Family.

Anticlea elegans (Pursh) Rydb. *Zygadenus elegans* Pursh Smooth Camas. Saline meadows. 1, 2, 3, 3a, 4.
Tofieldia glutinosa (Michx.) Pers. Asphodel. Bogs. 3, 4.
Toxicoscordion gramineum Rydb. *Zygadenus gramineus* Rydb. Death Camas. Prairie. 1, 2, 3a.

JUNCACEAE. Rush Family.

Juncus acuminatus Michx. Rush. Nipawin.
—**ater** Rydb. *J. balticus* Willd. Baltic Rush. Margins of sloughs and lakes. 1, 2, 3, 3a, 4, 5.
—**brevicaudatus** (Engelm.) Fern. Rush. Lake shores. 6.
—**bufonius** L. Toad Rush. Margins of lakes and streams. 1, 2, 3, 3a, 4, 5, 6.
—**confusus** Cov. Rush. Shores of lakes. 2, 3a.
—**dudleyi** Wieg. Rush. Wet places. 2, 3, 3a, 4, 5, 6.
—**ensifolius** Wikstr. Equitant-leaved Rush. 3a.
—**filiformis** L. Thread Rush. 6.
—**longistylis** Torr. Long-styled Rush. Wet meadows. 1, 2, 3, 3a, 4.
—**macer** S. F. Gray *J. tenuis* Willd. Slender Rush. 5.
—**mertensianus** Bong. Rush. 3a.
—**nodosus** L. Knotted Rush. Margins of sloughs, lakes and streams. 1, 2, 3, 3a, 4, 5.
—**richardsonianus** Schult. *J. alpinus* Vill. Richardson's Rush. Margins of lakes. 1, 2, 3, 3a, 4, 6.
—**saximontanus** A. Nels. Rush. 3a.
—**stygius** L. var. **americanus** Buchenau Rush. 6.
—**torreyi** Cov. Torrey's Rush. 1, 2.
—**vaseyi** Engelm. Vasey's Rush. 4, 5, 6.
Luzula multiflora (Ehrh.) Lej. Wood Rush. Meadows and open forest. 3a, 4.
—**parviflora** (Ehrh.) Desv. Small-flowered Wood Rush. Forest. 4, 5, 6.
—**saltuensis** Fern. *L. acuminata* Raf. Wood Rush. Open forests. Meadow Lake.

ALLIACEAE. Onion Family.

Allium cernuum Roth Nodding Onion. Forests. 2, 3a, 4.
—**geyeri** S. Wats. Geyer's Onion. Eroded slopes. Katepwe, Lebret.
—**schoenoprasum** L. var. **sibiricum** (L.) Hartm. Rocks. Athabaska Lake.
—**stellatum** Ker Pink-flowered Onion. Moist prairie. 1, 2, 3, 4.
—**textile** Nels. and Macbr. Prairie Onion. Dry hills and eroded slopes. 1, 2, 3, 3a.

LILIACEAE. Lily Family.

Lilium umbellatum Pursh *L. philadelphicum* L. var. *andinum* (Nutt.) Ker Western Red Lily. Moist meadows and open woods. 1, 2, 3, 4, 5.

CONVALLARIACEAE. Lily-of-the-valley Family.

Disporum trachycarpum S. Wats. Red Mandarin. Aspen forest. 1, 2, 3, 3a, 4, 5.
Maianthemum canadense Desf. var. **interius** Fern. Two-leaved Solomon's seal. Aspen forest. 2, 3, 3a, 4, 5, 6.
Smilacina amplexicaulis Nutt. False Spikenard. 3a.
—**stellata** (L.) Desf. Star-flowered Solomon's Seal. Moist prairie and poplar bluffs. 1, 2, 3, 4.
—**trifolia** (L.) Desf. Three-leaved Solomon's Seal. Forests. 4, 5, 6.
Streptopus amplexifolius Nutt. White Mandarin. 3a, 4.

TRILLIACEAE. Trillium Family.

Trillium cernuum L. Nodding Trillium. Runnymede.

SMILACACEAE. Smilax Family.

Nemexia lasioneuron (Hook.) Rydb. *Smilax lasioneura* Hook. Smilax. Margins of bluffs. 2, 3, 4.

AMARYLLIDACEAE. Amaryllis Family.

Hypoxis hirsuta (L.) Cov. Star Grass. Open woods and meadows. 3.

IRIDACEAE. Iris Family.

Sisyrinchium angustifolium Mill. Blue-eyed Grass. Moist meadows and open woods. 1, 2, 3, 3a, 4, 6.
—**montanum** Greene Blue-eyed Grass. Shores and meadows. Caron and Regina.
—**mucronatum** Michx. Blue-eyed Grass. Moist meadows. 1, 2, 3, 4, 6.
—**septentrionale** Bickn. Northern Blue-eyed Grass. Moist meadows. 2, 3.

ORCHIDACEAE. Orchid Family.

Coeloglossum bracteatum (Willd.) Parl. *Habenaria viridis* (L.) R. Br. var. *bracteata* (Muhl.) Gray Long-bracted Orchid. Forests and meadows. 2, 3, 3a, 4.
Corallorrhiza maculata Raf. Large Coral-root. Forests. 3, 3a, 4, 5.
—**striata** Lindl. Striped Coral-root. Aspen bluffs and forests. 3, 3a, 4.
—**trifida** Chat. Early Coral-root. Forests. 2, 3, 3a, 4, 5, 6.
Criosanthes arietina (R. Br.) House *Cypripedium arietinum* R. Br. Ram's-head Lady's-slipper. Prince Albert.
Cypripedium parviflorum Salisb. *C. calceolus* L. var. *parviflorum* (Salisb.) Fern. Yellow Lady's-slipper. Margins of bluffs and meadows. 2, 3, 4.
—**passerinum** Richards. Northern Lady's-slipper. Moist forest. 3, 3a, 4, 5.
Cytherea bulbosa (L.) House *Calypso bulbosa* (L.) Oakes Venus' Slipper. Forests. 3a, 4.
Fissipes acaulis (Ait.) Small *Cypripedium acaule* Ait. Stemless Lady's-slipper. Forests. 5, 6.
Goodyera decipiens (Hook.) Hubbard *G. oblongifolia* Raf. Rattlesnake Plantain. 3a.
—**ophioides** (Fern.) Rydb. *G. repens* (L.) R. Br. var. *ophioides* Fern. Lesser Rattlesnake Plantain. Moist forest. 4, 5, 6.
Limnorchis dilatata (Pursh) Rydb. *Habenaria dilatata* (Pursh) Hook. White Bog Orchis. Meadows and bogs. 2, 3, 4, 5.

—**viridiflora** (Cham.) Rydb. *H. hyperborea* (L.) R. Br. Green-flowered Orchis. Moist forests and bogs. 2, 3, 3a, 4, 5.
Liparis loeselii (L.) Rich. Tway-blade. Moist forest and bogs. 4.
Listera borealis Morong Northern Tway-blade. Forests. 4, 5.
—**convallarioides** (Sw.) Torr. Broad-lipped Tway-blade. Forests. 3, 3a.
—**cordata** (L.) R. Br. Heart-leaved Tway-blade. Forests. 3a, 4.
Lysiella obtusata (Pursh) Rydb. *Habenaria obtusata* (Pursh) Richards. Blunt-leaved Orchis. Moist forests and bogs. 2, 3, 3a, 4, 5, 6.
Malaxis brachypoda (Gray) Fern. Adder's Mouth. Bogs. 3, 4, 5.
Orchis rotundifolia Pursh Orchis. Moist forests and bogs. 2, 3, 3a, 4, 5, 6.
Platanthera orbiculata (Pursh) Lindl. *Habenaria orbiculata* (Pursh) Torr. Round-leaved Orchis. Forests. 4.
Spiranthes gracilis (Bigel.) Beck. Ladies'-tresses. Forests. 4, 5.
—**stricta** Rydb. *S. romanzoffiana* Coult. Hooded Ladies'-tresses. Meadows. 2, 3, 3a, 4, 5, 6.

DICOTYLEDONES. Dicotyledons.

SALICACEAE. Willow Family.

Populus angustifolia James Narrow-leaved Cottonwood. Fish Creek.
—**candicans** Michx. *P. gileadensis* Rouleau Balm-of-Gilead. Near water. 1, 2, 3, 4.
— **sargentii** Dode *P.* deltoides Marsh var. *occidentalis* Rydb. Western Cottonwood. River banks. 1, 2.
— **tacamahacca** Mill. *P. balsamifera* L. Balsam Poplar. Wet soil. 1, 2, 3, 4, 5.
— —**tremuloides** Michx. Aspen. Bluffs and forests. 1, 2, 3, 3a, 4, 5, 6.
—**virginiana** Fourg. *P.* deltoides Marsh. Cottonwood. Bracken.
Salix acutifolia Willd. Sharpleaf Willow. This is a cultivated species widely distributed for planting windbreaks. It may be found around old deserted farmsteads as well.
— **alba** L. White Willow. This species is grown to a limited extent under cultivation.
var. **sericea** Gaud. Silverleaf Willow. A popular cultivated variety at the present time.
— **amygdaloides** Anders. Peach-leaved Willow. Margins of rivers and lakes. 1, 2, 3, 4.
—**arbusculoides** Anders. Shrubby Willow. Swamps. 4, 5, 6.
—**barclayi** Anders. Barclay's Willow. McKague.
—**bebbiana** Sarg. Grey Willow. Moist prairie. 2, 3, 3a, 4, 5, 6.
— **brachycarpa** Nutt. Dwarf Willow. Margins of bogs and sloughs. 2, 3, 3a, 4.
var. **psammophila** Raup Athabaska Lake.
—**candida** Fluegge Hoary Willow. Swamps and bogs. 1, 2, 3, 3a, 4, 5.
—**caudata** (Nutt.) Heller Cypress Hills.
— **cordata** Muhl. var. **angustifolia.** Heart-leaved Willow. 4.
—**curtiflora** Anders. Short-flowered Willow. 3a, 4.
discolor Muhl. Pussy Willow. Margins of sloughs and bogs. 1, 2, 3, 4, 5, 6.
var. **prinoides** Anders. McKague.
— **exigua** Nutt. var. **luteosericea** (Rydb.) Schn. Slender Willow. Swift Current.
— —**glauca** L. Smooth Willow. Lake Athabaska.
— **glaucops** Anders. *S. athabascensis* Raup Low Willow. Bogs. 4, 5, 6.
— **humilis** Marsh. Small Pussy-Willow. Dry ground. 4, 5.

—**interior** Rowlee Sandbar Willow. Sandbars and wet sandy soil. 1, 2, 3, 4.
var. **pedicellata** (Anders.) Ball 2, 3, 4.
—**lasiandra** Benth. Red Willow. 1, 3.
var. **lancifolia** (Huds.) Bebb 4, 5.
—**lucida** Muhl. Shining Willow. Margins of lakes and bogs. 4, 5.
var. **angustifolia** Anders. 4, 5.
var. **intonsa** Fern. 4, 5.
—**lutea** Nutt. Yellow Willow. Margins of rivers and moist depressions on the prairie. 1, 2, 3, 4, 5.
—**maccalliana** Rowlee Velvet-capsuled Willow. Margins of streams and bogs. 2, 3, 4, 5.
—**myrtillifolia** Anders. Myrtle-leaved Willow. Bogs. 2, 3, 3a, 4, 5, 6.
—**pedicellaris** Pursh var. **hypoglauca** Fern. Bog Willow. Bogs. 3, 4, 5, 6.
—**pellita** Anders. Satiny Willow. Margins of streams. 2, 3, 4, 5.
—**pentandra** L. Laurel Willow. A popular cultivated willow widely distributed throughout the province.
—**perrostrata** Rydb. *S. bebbiana* Sarg. var. *perrostrata* Schn. This is a variety of the Grey Willow. It is more common than the species in the southern half of the province. 1, 2, 3, 4, 6.
—**petiolaris** Smith *S. gracilis* Anders. Basket Willow. Margins of sloughs and bogs. 1, 2, 3, 4, 5.
var. **rosmarinoides** Schn. 3, 4.
—**planifolia** Pursh Flat-leaved Willow. Margins of streams and bogs. 2, 3a, 4, 5, 6.
var. **nelsonii** Ball McKague.
—**pseudomonticola** Ball False Mountain Willow. Margins of streams and bogs. 2, 3, 3a, 4, 5.
—**pyrifolia** Anders. Balsam Willow. Margins of bogs. 4, 5, 6.
—**scouleriana** Barratt Scouler's Willow. Open aspen forest. 3a, 4, 5, 6.
—**serissima** (Bail.) Fern. Autumn Willow. Bogs. 2, 3, 4, 5.
—**silicicola** Raup Sandy ridges. Athabaska Lake.
—**turnorii** Raup Turnor's Willow. Athabaska Lake.
—**tyrrellii** Raup Tyrrell's Willow. Athabaska Lake.

MYRICACEAE. Bayberry Family.

Myrica gale L. Sweet Gale. Marshes and bogs. 5, 6.

BETULACEAE. Birch Family.

Alnus crispa (Ait.) Pursh Green Alder. Lake shores and river banks. 4, 5.
—**incana** (L.) Moench Speckled Alder. Most of the collections previously assigned to this species have been transferred to *A. tenuifolia* Nutt. 2.
—**tenuifolia** Nutt. Hoary Alder. Banks of streams and lakes. 2, 3, 4, 5.
Betula fontinalis Sarg. River Birch. River banks and low spots among sand hills. 2, 3, 4.
—**glandulifera** (Regel) Butler *B. pumila* L. var. *glandulifera* Regel Dwarf Birch. Shallow bogs. 2, 3, 4.
—**glandulosa** Michx. Collections previously assigned to this species may belong to *B. glandulifera* (Regel) Butler.
—**occidentalis** Hook. Athabaska Lake.
—**papyrifera** Marsh. Paper Birch. Shady slopes along rivers and in forests. 1, 2, 3, 4, 5.
—var. **cordifolia** (Regel) Fern. 4.
—var. **neoalaskana** (Sarg.) Raup 6.

CORYLACEAE. Hazelnut Family.

Corylus rostrata Ait. *C. cornuta* Marsh. Hazelnut. Shady slopes in bluffs and forests. 2, 3, 3a, 4.

FAGACEAE. Beech Family.

Quercus macrocarpa Michx. Bur Oak. Valleys of the Qu'Appelle, Pipestone and Souris Rivers near the Manitoba border.

ULMACEAE. Elm Family.

Ulmus americana L. American Elm. River valleys. 2, 3, 4.

CANNABINACEAE. Hemp Family.

Humulus lupulus L. Hops. Open woods along streams and rivers in eastern Saskatchewan. 2, 3, 4.

URTICACEAE. Nettle Family.

Parietaria pennsylvanica Muhl. Pellitory. Thickets on sandy soil. 1, 2, 3a.
Urtica gracilis Ait. Slender Nettle. Moist, shady spots. 1, 2, 3, 4, 5.
—**procera** Muhl. Tall Nettle. Moist, shady spots. 1, 2.
—**viridis** Rydb. Green Nettle. Moist spots. 3, 5.

POLYGONACEAE. Buckwheat Family.

Bilderdykia cilinodis (Michx.) Greene *Polygonum cilinode* Michx. Fringed Black Bindweed. Open forests and rocky slopes. 6.
—**convolvulus** L. Wild Buckwheat. A weed in cultivated fields. 1, 2, 3, 4.
Eriogonum cernuum Nutt. Nodding Umbrella Plant. Dry prairie and hills. 1.
—**flavum** Nutt. Yellow Umbrella Plant. Dry, eroded hillsides. 1, 2, 3, 3a.
—**multiceps** Nees Branched Umbrella Plant. Dry hillsides. 1.
Fagopyrum esculentum Moench. *S. sagittatum* Silib. Buckwheat. Cultivated to a limited extent in this province. 3, 4.
—**tataricum** (L.) Gaertn. Tartary Buckwheat. Imported species. Appears occasionally as a weed. 2.
Persicaria coccinea (Muhl.) Greene *Polygonum coccineum* Muhl. Swamp Persicaria. Shallow water in sloughs. 1, 2, 3.
—**fluitans** (Eat.) Greene *Polygonum amphibium* L. Water Persicaria. Shallow sloughs 1, 2, 3, 4, 5, 6.
—**hydropiper** (L.) Opiz. *Polygonum hydropiper* L. Isle a la Crosse.
—**incana** (Schmidt.) Gray Lady's-thumb. Shallow water. 2, 4.
—**incarnata** (Ell.) Small *Polygonum lapathifolium* L. Dock-leaved Persicaria. Sloughs and bogs. 3, 4.
—**lapathifolia** (L.) Gray *Polygonum lapathifolium* L. Pale Persicaria. Sloughs. 1, 2, 3, 4, 5.
—**mesochora** Greene Persicaria. Along streams. 1, 2.
—**muhlenbergii** (Meisn.) Small *Polygonum coccineum* Muhl. Muhlenberg's Persicaria. Sloughs and shallow potholes. 1.
—**nebraskensis** Greene Nebraska Persicaria. 1, 2, 3, 3a, 4.
—**pennsylvanica** (L.) Small Pennsylvanian Persicaria. Moist soil. 3, 4, 5.
—**pratincola** Greene *Polygonum coccineum* Muhl. var. *pratincola* (Greene) Stanford Sloughs. 1, 2, 4.
—**psychrophila** Greene Northern Persicaria. Sloughs. 2, 3, 4.
—**rigidula** (Sheld.) Greene Persicaria. In shallow water. Moose Jaw.

—**tomentosa** (Schrank) Bickn. Hairy Persicaria. Lake shores, cultivated fields. 1, 2, 3, 4.
Polygonum achoreum Blake Striate Knotweed. Hard packed soil around buildings and along roads. 1, 2, 4.
—**aviculare** L. Knotweed. Around dwellings and along roads. 1, 2, 4, 6.
—**buxiforme** Small *P. aviculare* var. *littorale* (Link) Koch Knotweed. Margins of sloughs and lakes. 1, 2.
—**caespitosum** A. and G. Knotweed. Cultivated fields. 2, 3.
—**douglasii** Greene Douglas'Knotweed. Dry hillsides. 1, 3a.
—**exsertum** Small Knotweed. 1, 2, 3, 4.
—**heterophyllum** Lindm. *P. aviculare* L. Knotweed. 1, 2, 3, 3a, 4.
—**neglectum** Bess. *P. aviculare* L. Knotweed. McKague and Mortlach.
—**ovalifolium** Lehm. Swift Current.
—**prolificum** (Small) Robins. Knotweed. Margins of saline sloughs. 1, 2.
—**ramosissimum** Michx. Knotweed. Shores and roadsides in sandy soil. 1, 2, 4.
Rumex acetosa L. Sour Dock. Imported weed. Roadsides. Rosthern and Warman.
—**acetosella** L. Sheep Sorrel. Poor sandy soil. 2, 3, 3a, 4, 6.
—**crispus** L. Curled Dock. 1, 4.
—**domesticus** Hartm. Davidson and Wymark.
—**mexicanus** Meissn. Narrow-leaved Dock. Margins of sloughs. 1, 2, 4.
—**occidentalis** S. Wats. Western Dock. Sloughs and bogs. 1, 2, 3.
—**persicarioides** L. *R. maritimus* L. var. *fueginus* (Phil.) Dusen Golden Dock. Sloughs. 1, 2, 3, 4.
—**venosus** Pursh Wild Begonia. Very sandy prairie. 1, 2, 3.

CHENOPODIACEAE. Goosefoot Family.

Atriplex argentea Nutt. Silvery Atriplex. Saline prairie. 1, 2.
—**hastata** L. *A. patula* L. var. *hastata* (L.) Gray Saline meadows and margins of sloughs. 1, 2, 3, 4.
—**hortensis** L. Garden Atriplex. Introduced weed. Vacant lots. 1, 2.
—**nitens** Sch. Vacant lots. Tisdale.
—**nuttallii** S. Wats. Nuttall's Atriplex. Dry prairie. 1, 2, 3, 3a.
Axyris amaranthoides L. Russian Pigweed. Introduced weed. Cultivated fields and farmyards. 1, 2, 3.
Bassia hyssopifolia (Pall.) Kuntze Imported weed. Swift Current.
Blitum capitatum L. *Chenopodium capitatum* (L.) Aschers. Strawberry Spinach. Moist places in bluffs and forests. 2, 3, 4, 5.
Chenopodium album L. Lambs' Quarters. Imported weed. Gardens and cultivated fields. 1, 2, 3, 4.
—**ambrosioides** L. Mexican-tea. Lake shore. Wallwort.
—**dacoticum** Standl. Stinking Goosefoot. Dry prairie. Elbow.
—**dessicatum** A. Nels. Dry-land Goosefoot. Dry prairie. Merryflat.
—**fremontii** S. Wats. Fremont's Goosefoot. Open woods on sandy soil. 1, 2.
—**hybridum** L. Maple-leaved Goosefoot. Moist forests and cultivated fields. 1, 2, 3, 4.
—**lanceolatum** Muhl. Lance-leaved Goosefoot. 1, 2.
—**leptophyllum** Nutt. Narrow-leaved Goosefoot. Sandy prairie. 1, 2, 3, 4.
—**polysperum** L. Many-seeded Goosefoot. Introduced weed. Wallwort.
—**rubrum** L. Red Goosefoot. Wet, saline shores. 1, 2, 3, 4.
—**salinum** Standl. Oak-leaved Goosefoot. Wet saline spots. 1, 2, 3, 4.
Corispermum hyssopifolium L. Introduced weed. Nipawin.
—**marginale** Rydb. Bug-seed. Sandy prairie. 1, 2, 3.
—**villosum** Rydb. Bug-seed. Sandy prairie. 1, 2, 3.

Cycloloma atriplicifolium (Spreng.) Coult. Winged Pigweed. Sandy prairie. Baildon.
Endolepis suckleyi Torr. Endolepis. Sandy prairie. 1.
Eurotia lanata (Pursh) Moq. White Sage. Dry prairie and hills. 1, 2, 3.
Kochia trichophylla Stapf. Introduced weed. Vacant lots. 1, 2, 3.
Monolepis nuttalliana (Schult.) Greene Spear-leaved Goosefoot. Prairie and cultivated fields. 1, 2, 3.
Salicornia rubra A. Nels. Samphire. Shores of saline sloughs and lakes. Spreads a maroon colored carpet over large patches in late summer. 1, 2, 3.
Salsola pestifer A. Nels. *Salsola kali* L. var. *tenuifolia* Tausch Russian Thistle. An imported weed. Sandy prairie and cultivated fields. 1, 2, 3.
Sarcobatus vermiculatus (Hook.) Torr. Greasewood. Saline flats and lake shores. 1.
Suaeda depressa (Pursh) S. Wats. Sea Blite. Margins of saline sloughs and lakes. 1, 2, 3, 4.
—**erecta** (A. Nels.) S. Wats. Sea Blite. Margins of saline sloughs and lakes. 1, 2, 3.
Suckleya suckleyana (Torr.) Rydb. Suckleya. Along streams. 1, 2.

AMARANTHACEAE. Amaranth Family.

Amaranthus blitoides S. Wats. Prostrate Amaranth. Grows as a weed in gardens and cultivated fields. 1, 2, 3.
—**graecizans** L. Tumble Weed. Grows as a weed in cultivated soil. 1, 2, 3, 4.
—**retroflexus** L. Redroot Pigweed. Cultivated fields. 1, 2, 3, 4.

NYCTAGINACEAE. Four-o'clock Family.

Allionia hirsuta Pursh *Mirabilis hirsuta* (Pursh) MacM. Hairy Umbrella-wort. Sandy prairie. 1, 2, 3.
—**linearis** Pursh *M. linearis* (Pursh) Heimerl. Narrow-leaved Umbrella-wort. 1, 3a.
—**nyctaginea** Michx. *M. nyctaginea* (Michx.) MacM. Heart-leaved Umbrella-wort. 1.
—**ovata** Pursh Egg-leaved Umbrella-wort. Estevan.
—**pilosa** (Nutt.) Rydb. Probably not specifically distinct from *A. hirsuta*. 2, 3.

PORTULACACEAE. Purslane Family.

Claytonia lanceolata Pursh Spring Beauty. Cypress Hills.
Montiastrum lineare (Gray) Rydb. Spring Beauty. Cypress Hills.
Portulaca oleracea L. Purslane. Gardens and occasionally cultivated fields. An imported weed.

CORRIGIOLACEAE. Whitlow-wort Family.

Paronychia sessiliflora Nutt. Whitlow-wort. Dry hills. 1, 2, 3a.
Scleranthus annuus L. Knawel. An imported weed. Wolseley and Waseca.

ALSINACEAE. Chickweed Family.

Arenaria lithophila Rydb. Sandwort. Cypress Hills.
—**serpyllifolia** L. Thyme-leaved Sandwort. An imported weed. Tisdale.
Cerastium campestre Greene *C. arvense* L. Field Chickweed. Prairie. 1, 2, 3, 3a, 4, 6.
—**beeringianum** C. and S. Athabaska Lake.
—**nutans** Raf. Nodding Chickweed. Moist forest. 2, 3, 4.

—**vulgatum** L. Mouse-ear Chickweed. Imported weed. Lawns. Mortlach.
Moehringia lateriflora (L.) Fenzl. *Arenaria lateriflora* L. Woodland Star. Shady poplar woods. 1, 2, 3, 4.
—**macrophylla** (Hook.) Torr. *A. macrophylla* Hook. Athabaska Lake.
Sabulina dawsonensis (Britt.) Rydb. *Arenaria dawsonensis* Britt. Athabaska Lake and Cypress Hills.
—**propinqua** (Richards.) Rydb. *A. rubella* (Wahlenb.) Sm. Sandwort. Cypress Hills and McKague.
Sagina nodosa (L.) Fenzl. Pearlwort. Athabaska Lake.
Spergularia salina J. and C. Presl *S. marina* (L.) Griseb. var. *leiosperma* (Kindb.) Gürke Salt-marsh Sand-spurry. 1, 2, 3.
—**sparsiflora** (Greene) novo comb. *Tissa sparsiflora* Greene Few-flowered Sand-spurry. 2, 3.
Stellaria arenicola Raup Athabaska Lake.
—**borealis** Bigel. *S. calycantha* (Ledeb.) Bong. Northern Chickweed. Wet meadows. 2, 3a, 4, 5.
—**crassifolia** Ehrh. Fleshy Chickweed. Margins of sloughs and bogs. 2, 4.
—**graminea** L. Lesser Chickweed. Waskesiu Lake.
—**longifolia** Muhl. Long-leaved Chickweed. Wet meadows and thickets. 1, 2, 3, 4, 5, 6.
—**longipes** Goldie Long-stalked Chickweed. Sandy prairie. 1, 2, 3, 3a, 4, 5, 6.
—**media** (L.) Cyrill. Common Chickweed. Imported weed found in shady gardens and lawns. 1, 2, 4.
—**stricta** Richards. Upright Chickweed. Margins of sloughs and marshes. 1, 2, 3, 3a, 5.

CARYOPHYLLACEAE. Pink Family.

Agrostemma githago L. Purple Cockle. Cultivated fields. 2.
Gypsophila paniculata L. Baby's Breath. Cultivated in flower gardens. It has escaped and become established to a limited extent. 1, 2.
Melandrium album (Mill.) Garcke *Lychnis alba* Mill. White Campion. Imported weed. 2, 3.
Saponaria officinalis L. Bouncing Bet. Occasionally escapes from flower gardens.
Silene antirrhina L. Sleepy Catchfly. Athabaska Lake.
—**cserei** Baumg. Catchfly. Imported weed. Sandy cutbanks and railway grades. 1, 2.
—**menziesii** Hook. Menzie's Catchfly. Prairie near bluffs. 2, 3a, 4, 5.
—**noctiflora** L. Night-flowering Catchfly. Imported weed. Cultivated fields. 1, 2, 3.
—**vulgaris** (Moench) Garcke *S. cucubalus* Wibel Bladder Campion. Imported weed. Fields and roadsides. 1, 2, 3, 4.
Wahlbergella drummondii (Hook.)Rydb. *Lychnis drummondii* (Hook.) S. Wats. Drummond's Cockle. Moist prairie. 1, 2, 3, 3a, 4.
Vaccaria vulgaris Host *Saponaria vaccaria* L. Cow Cockle. An imported weed. Cultivated fields. 1, 2, 3.

CERATOPHYLLACEAE. Hornwort Family.

Ceratophyllum demersum L. Hornwort. Lakes and streams. 1, 2, 3, 4, 5, 6.

NYMPHAEACEAE. Water Lily Family.

Nuphar variegatum Engelm. Yellow Pond-lily. Lakes with muddy bottoms in 1 to 3 feet of water. 2, 3, 4, 5.

Nymphaea leibergii Morong *N. tetragona* Georgi Small White Water-lily. Cumberland Lake.

RANUNCULACEAE. Crowfoot Family.

Actaea alba (L.) Mill. White Baneberry. Shady forest. 1, 2, 3, 3a, 4, 5.
—**rubra** (Ait.) Willd. Red Baneberry. Shady forest. 1, 2, 3, 3a, 4.
Anemone canadensis L. Wind-flower. Moist prairie. 1, 2, 3, 3a, 4, 6.
—**cylindrica** Gray Thimbleweed. Moist prairie. 1 ,2, 3, 3a, 4.
—**globosa** Nutt. Cut-leaved Anemone. Moist prairie. 1, 2, 3, 3a, 4, 5.
—**quinquefolia** L. var. **interior** Fern. Wood Anemone. Moist soil in woods. Somme.
—**richardsoni** Hook. Crestwynd.
—**riparia** Fern. Thimbleweed. Open woods. 2, 3, 3a, 4.
Aquilegia brevistyla Hook. Columbine. Open forest. 4, 5.
—**canadensis** L. Red Columbine. Crooked Lake.
Atragene columbiana Nutt. Purple Virgin's Bower. Cypress Hills.
Batrachium longirostre (Godr.) Schultz *Ranunculus longirostris* Godr. White Water-crowfoot. Lakes and sloughs. 1, 3a, 4.
—**trichophyllum** (Chaix) Bosch *B. circinatum* (Sibth.) Rchb. *Ranunculus subrigidus* Drew White Water-crowfoot. Sloughs. 1, 2, 3, 3a, 4.
Caltha natans Pall. Floating Marsh-marigold. Muddy shore. Windrum Lake.
—**palustris** L. Marsh-marigold. Margins of streams and lakes in shade. 2, 3, 4, 5.
Clematis ligusticifolia Nutt. Virgin's Bower. Margins of thickets on sandy soil. 1, 2.
Coptidium lappomicum (L.) Gaud. *Ranunculus lapponicus* L. Lapland Buttercup. Moist forest. 3, 4, 5.
Coptis groenlandica (Oeder) Fern. Gold-thread. Forest. Athabaska Lake and Nipawin.
Delphinium bicolor Nutt. Wild Larkspur. Grassy hillsides. 1, 3a.
—**brownii** Rydb. *D. glaucum* Wats. Brown's Larkspur. Open woods. 4, 5.
Halerpestes cymbalaria (Pursh) Greene *Ranunculus cymbalaria* Pursh Creeping Buttercup. Margins of saline sloughs and lakes. 1, 2, 3, 3a, 4.
Myosurus aristatus Gey. Mousetail. Moist prairie. 1, 3a.
—**lepturus** (Gray) Howell Mousetail. Moist prairie. 1, 2, 3a.
—**minimus** L. Least Mousetail. Moist prairie. 1, 2, 3a.
Pulsatilla ludoviciana (Nutt.) Heller *Anemone patens* L. var. *wolfgangiana* (Bess.) Koch Crocus Anemone. Prairie. 1, 2, 3, 4, 5, 6.
Ranunculus abortivus L. Smooth-leaved Buttercup. Moist prairie. 1, 2, 3a, 4, 5.
—**acris** L. Tall Buttercup. Imported weed. Moist prairie and open woods. 1, 2, 3, 3a, 4.
—**affinis** R. Br. *R. pedatifidus* Sm. var. *leiocarpus* (Trautv.) Fern. Northern Buttercup. Moist prairie. 2.
—**cardiophyllus** Hook. *R. pedatifidus* Sm. var. *cardiophyllus* (Hook.) Britt. Heart-leaved Buttercup. Moist prairie. 1, 2, 3, 3a.
—**delphinifolius** Torr. *R. flabellaris* Raf. Yellow Water-crowfoot. Sloughs in 1 to 3 feet of water. 2, 3, 4, 5.
—**glaberrimus** Hook. var. **ellipticus** Greene Smooth Buttercup. Margins of streams and sloughs. 1.
—**inamoenus** Greene Graceful Buttercup. Lake Shores. 3a.
—**macounii** Britt. Macoun's Buttercup. Margins of sloughs and moist forests. 1, 2, 3, 4, 5, 6.
—**ovalis** Raf. *R. rhomboideus* Gold. Prairie Buttercup. Moist depressions in prairie. 2, 3, 4.

—**pennsylvanicus** L.f. Bristly Buttercup. Wet meadows. 1, 2, 4, 5, 6.
—**purshii** Richards. *R. gmelini* DC. Pursh's Buttercup. Margins of streams and sloughs. 1, 2, 3, 3a, 4, 5, 6.
—**reptans** L. Creeping Buttercup. 1, 2.
—**sceleratus** L. Celery-leaved Buttercup. Margins of sloughs. 1, 2, 3, 3a, 4.
Thalictrum dasycarpum Fisch. and Lall. Tall Meadow-rue. Margins of bluffs and open woods. 2, 3, 4.
—**occidentale** Gray Cypress Hills.
—**sparsiflorum** Turcz. Few-flowered Meadow-rue. Forests. 4, 5.
—**turneri** Boiv. Turner's Meadow-rue. Margins of bluffs and open woods. 1, 2, 3, 3a, 4. Formerly listed as *T. dioicum* L.
—**venulosum** Trel. Veiny Meadow-rue. Moist prairie near bluffs. 2, 3.

PAPAVERACEAE. Poppy Family.

Argemone intermedia Sweet White Prickly-poppy. Prince.

FUMARIACEAE. Fumitory Family.

Corydalis aurea Willd. Golden Corydalis. Open woods. 1, 2, 3, 3a, 4, 5, 6.
—**sempervirens** (L.) Pers. Pink Corydalis. Open woods. 2, 4, 5, 6.
Fumaria officinalis L. Imported weed. Lewvan.

BRASSICACEAE. Mustard Family.

Alyssum alyssoides L. Yellow Alyssum. Imported weed. Indian Head and Mortlach.
Arabidopsis glauca (Nutt.) Rydb. Mouse-ear Cress. Moist sandy meadows. 1, 2, 3, 4.
Arabis bourgovii Rydb. *A. divaricarpa* A. Nels. var. *dacotica* (Greene) Boiv. Pink Rock Cress. Dry hillsides. 1, 2, 3, 3a.
—**brachycarpa** (T. and G.) Britt. *A. divaricarpa* A. Nels. Purple Rock Cress. Dry hillsides. 2, 3, 3a, 4, 5.
—**drummondii** Gray Drummond's Rock Cress. Prairie and open woods. 1, 2, 3, 3a, 4.
—**lyrata** L. *A. lyrata* L. var. *kamchatica* Fisch. Lyre-leaved Rock Cress. Open forest on sandy soil. 4, 6.
—**ovata** (Pursh) Poir. *A. hirsuta* (L.) Scop. var. *pycnocarpa* (Hop.) Roll. Hirsute Rock Cress. Prairie. 1, 2, 3.
—**retrofracta** Grah. *A. holboellii* Hornem. var. *retrofracta* (Grah.) Rydb. and *A. holboellii* Hornem. var. *collinsii* (Fern.) Roll. Dry prairie. 1, 2, 3.
Armoracia rusticana Gaertn. Horse-radish. Escaped from cultivation. Farmyards and roadsides. 1, 2, 3.
Barbarea americana Rydb. *B. orthoceras* Ledeb. Winter Cress. Margins of streams. 3a, 6.
Berteroa incana (L.) DC. Hoary Alyssum. Imported weed. 1, 3, 4.
Brassica campestris L. *B. rapa* L. Argentine Rape. Cultivated for the production of oil from its seeds. Escaped in places.
—**juncea** (L.) Coss. Indian Mustard. Imported weed. Roadsides and cultivated fields. 1, 2, 3, 4.
Camelina dentata Pers. Flat-seeded False Flax. Imported weed. Cultivated fields. 1, 2.
—**microcarpa** Andrz. False Flax. Imported weed. Vacant lots, roadsides and cultivated fields. 2, 3, 4.
Capsella bursa-pastoris (L.) Medic. Shepherd's Purse. Imported weed. Gardens, roadsides and vacant lots. 1, 2, 3, 4, 5.
Cardamine pennsylvanica Muhl. Bitter-cress. 2, 3a, 4, 6.
—**pratensis** L. Bitter-cress. Margins of bogs. 2, 4, 5, 6.

Cardaria draba (L.) Desv. Heart-podded Hoary Cress. Imported weed 2, 3.
var. **repens** (Schrenk.) Schulz. Lens-podded Hoary Cress. Imported weed. Cultivated fields. 1, 2, 3.
—**pubescens** (Mey.) Roll. var. **elongata** Roll. Globe-podded Hoary Cress. Imported weed. Cultivated fields. 1, 2, 3, 3a.
Cheirinia aspera (Nutt.) Rydb. *Erysimum asperum* (Nutt.) DC. Prairie Rocket. Sandy prairie and sand dunes. 1, 2, 3, 4.
—**cheiranthoides** (L.) Link. *E. cheiranthoides* L. Wormseed Mustard. Margins of bluffs. 1, 2, 3, 4, 5.
—**inconspicua** (S. Wats.) Rydb. *E. inconspicuum* (S. Wats.) MacM. Small-flowered Rocket. Prairie and cultivated fields. 1, 2, 3, 4.
Conringia orientalis (L.) Dum. Hare's-ear Mustard. Imported weed. Cultivated fields. 1, 2, 3.
Diplotaxis muralis (L.) DC. Sand Rocket. Imported weed. Gardens and roadsides. 2, 3.
Draba aurea Vahl. Athabaska Lake.
—**cinerea** Adams. Athabaska Lake.
—**lanceolata** Royle Athabaska Lake.
—**lutea** Gilib. *D. nemorosa* L. var. *lejocarpa* Lindbl. Yellow Whitlow-grass. Prairie and cultivated fields. 1, 2, 3, 3a, 4, 5, 6.
—**nemorosa** L. Wood Whitlow-grass. 1, 2, 3a.
Eruca sativa Lam. Garden Rocket. Escaped from gardens. 2, 3.
Erucastrum gallicum (Willd.) Schulz. Dog Mustard. Imported weed. Roadsides. 2, 3.
Hesperis matronalis L. Dame's Rocket. Escaped from gardens. 1, 2, 3.
Lepidium densiflorum Schrad. Pepper-grass. Prairie and cultivated fields. 1, 2, 3, 4.
—**divergens** Osterh. Pepper-grass. Swift Current.
—**perfoliatum** L. Perfoliate Peppergrass. Swift Current.
—**ramosissimum** A. Nels. Pepper-grass. Mortlach and Swift Current.
—**sativum** L. Garden Cress. Cultivated in gardens and occasionally escaped.
Lesquerella arenosa (Richards.) Rydb. Bladder-pod. Dry hills. 1, 2, 3.
—**ludoviciana** (Nutt.) S. Wats. Bladder-pod. Dry hills. 2.
—**spatulata** Rydb. Bladder-pod. Dry prairie. 1, 2.
Neslia paniculata (L.) Desv. Ball-mustard. Imported weed. Cultivated fields. 1, 2, 3.
Rapistrum perenne (L.) All. Perennial Mustard. Imported weed. Grenfell.
Rorippa austriaca (Crantz) Bess. Austrian Cress. Imported weed. Greenstreet.
—**columbiae** (Suksd.) Howell Yellow-cress. Cultivated fields. Kindersley and Tessier.
—**curvisiliqua** (Hook.) Bess. Imported weed. Indian Head.
—**hispida** (Desv.) Britt. *R. islandica* (Oeder) Borbas var. *hispida* (Desv.) Butt. and Abbe. Hairy Yellow-cress. Margins of sloughs. 1, 2, 3, 5.
—**palustris** (L.) Bess. *R. islandica* (Oeder) Borbas var. *fernaldiana* Butt. and Abbe. Marsh Yellow-cress. Margins of sloughs and streams. 1, 2, 3, 3a, 4, 5, 6.
—**sinuata** (Nutt.) Hitchc. Spreading Yellow-cress. Cultivated fields. 1, 2.
—**sylvestris** (L.) Bess. Creeping Yellow-cress. Imported weed. Greenstreet.
Sinapis alba L. *Brassica hirta* Moench Charlock. Weed in gardens. Saskatoon.
—**arvensis** L. *Brassica kaber* (DC.) Wheeler var. *pinnatifida* (Stokes) Wheeler Wild Mustard. Imported weed. Cultivated fields, especially on clay soils. 1, 2, 3, 4.

Sisymbrium altissimum L. Tumble Mustard. Imported weed. Cultivated fields. 1, 2, 3.
—**loeselii** L. Hedge Mustard. Imported weed. Fields and roadsides. 1, 2, 3.
Sophia brachycarpa (Richards.) Rydb. *Descurainia pinnata* (Walt.) Britt. var *brachycarpa* (Richards.) Det. Short-fruited Tansy Mustard. Prairie and cultivated fields. 1, 2, 3.
—**filipes** (Gray) Heller *D. pinnata* (Walt.) Britt. var. *filipes* (Gray) Det. Green Tansy Mustard. Prairie and cultivated fields. 1, 2.
—**multifida** Gilib. *D. pinnata* (Walt.) Britt. var. *typica* Det. Flixweed. Imported weed. Cultivated fields. 1, 2, 3.
—**richardsoniana** (Sweet) Rydb. *D. richardsonii* (Sweet) Schulz Grey Tansy Mustard. Fields, roadsides and vacant lots. 1, 2, 3, 4, 5.
Thlaspi arvense L. Penny-cress. Imported weed. Cultivated fields. 1, 2, 3, 4.
Turritis glabra L. *Arabis glabra* (L.) Bernh. Tower Mustard. Thickets and fields. 2, 3, 3a, 4.

CAPPARIDACEAE. Caper Family.

Peritoma serrulatum (Pursh) DC. *Cleome serrulata* Pursh Indian Pink. Sandy prairie and roadsides. 1, 2, 3.
Polanisia graveolens Raf. Clammy-weed. Sandy prairie and hills. 1, 2.
—**trachysperma** T. and G. Clammy-weed. Sandy prairie and hills. 1, 2, 3.

RESEDACEAE. Mignonette Family.

Reseda alba L. Cut-leaved Mignonette. Imported weed. Brock.
—**lutea** L. Cut-leaved Mignonette. Imported weed. Roadsides and vacant lots. 1, 3.

DROSERACEAE. Sundew Family.

Drosera intermedia Hayne Sundew. Margins of bogs. 4, 6.
—**linearis** Goldie Sundew. Bogs. 4.
—**rotundifolia** L. Sundew. Bogs. 4, 5, 6.

SARRACENIACEAE. Pitcher-plant Family.

Sarracenia purpurea L. Pitcher-plant. Bogs. 3, 4, 5, 6.

CRASSULACEAE. Stone-crop Family.

Sedum stenopetalum Pursh Stone-crop. Dry hillsides. Cypress Hills.

PARNASSIACEAE. Grass of Parnassus Family.

Parnassia americana Muhl. Grass of Parnassus. Bogs. 4.
—**kotzebuei** Cham. Grass of Parnassus. 6.
—**montanensis** Fern. and Rydb. Grass of Parnassus. Athabaska Lake.
—**palustris** L. Grass of Parnassus. Wet meadows. 1, 2, 3, 3a, 4, 5.

SAXIFRAGACEAE. Saxifrage Family.

Chrysosplenium iowense Rydb. Golden Saxifrage. Wet places in forests. 4, 5.
Heuchera richardsonii R. Br. Alum-root. Moist prairie. 1, 2, 3, 3a, 4, 6.
Leptasea tricuspidata (Retz.) Haw. *Saxifraga tricuspidata* Rottb. Three-toothed Saxifrage. Rocks. 6.

Lithophragma bulbifera Rydb. Star-flower. Moist coulee. Robsart.
Micranthes rhomboidea (Greene) Small Saxifrage. Cypress Hills.
Mitella nuda L. Bishop's-cap. Margins of bogs. 2, 3, 3a, 4, 5, 6.

GROSSULARIACEAE. Gooseberry Family.

Chrysobotrya aurea (Pursh) Rydb. Golden Currant. Cypress Hills. Escaped from cultivation and established at Mortlach.
Grossularia hirtella (Michx.) Spach. *Ribes hirtellum* Michx. Wild Gooseberry. Open forest. 4.
—**oxyacanthoides** (L.) Mill. *R. oxyacanthoides* L. Northern Gooseberry. Forest and bluffs. 3, 3a, 4, 5.
—**setosa** (Lindl.) Cov. and Britt. *R. setosum* Lindl. Bristly Gooseberry. Prairie and bluffs. 2, 3.
Limnobotrya lacustris (Pers.) Rydb. *R. lacustre* (Pers.) Poir. Swamp Gooseberry. Bogs. 3a, 4, 5, 6.
Ribes americanum Mill. Wild Black Currant. Moist forest and bluffs. 1, 2, 3, 4, 5.
—**glandulosum** Weber Fetid Currant. Moist forest. 2, 5, 6.
—**hudsonianum** Richards. Northern Black Currant. Margins of bogs and streams. 2, 3, 3a, 4, 5, 6.
—**triste** Pall. Wild Red Currant. Wet places in forest. 2, 3a, 4, 5.

ROSACEAE. Rose Family.

Agrimonia striata Michx. Agrimony. Thickets and open woods. 2, 3, 4.
Argentina anserina (L.) Rydb. *Potentilla anserina* L. Silverweed. Margins of sloughs and lakes. 1, 2, 3, 3a, 4, 5.
—**argentea** Rydb. *Potentilla anserina* L. forma *sericea* (Hayne) Hayek. Silverweed. Margins of sloughs and lakes. 1, 2, 3, 3a, 4.
Chamaerhodos nuttallii Pick. Green Puffs. Sandy prairie. 1, 2, 3, 3a.
Comarum palustre L. *Potentilla palustris* (L.) Scop. Marsh Cinquefoil. Wet meadows. 4, 5, 6.
Dasiphora fruticosa (L.) Rydb. *Potentilla fruticosa* L. Shrubby Cinquefoil. Margins of bogs and in Zone 3a on cool benchlands. 1, 2, 3, 3a, 4, 5.
Dryas drummondii Richards. Mountain Avens. Rocky banks and river gravels. Athabaska Lake.
Drymocallis agrimonioides (Pursh) Rydb. *Potentilla arguta* Pursh White Cinquefoil. Moist prairie. 1, 2, 3, 3a, 4, 5, 6.
Fragaria americana (Port.) Britt. *F. vesca* L. var. *americana* Port. Woodland Strawberry. Forests. 3, 4.
—**glauca** (S. Wats.) Rydb. Wild Strawberry. Moist prairie. 2, 3a, 4, 5.
—**pauciflora** Rydb. Wild Strawberry. Moist prairie. 1, 2, 3.
Geum macrophyllum Willd. Yellow Avens. Open woods. 1, 3a.
—**perincisum** Rydb. *G. macrophyllum* Willd. var. *perincisum* (Rydb.) Raup Yellow Avens. 1, 3, 4, 5.
—**rivale** L. Purple Avens. Wet meadows. 3a, 4.
—**strictum** Soland. *G. aleppicum* Jacq. var. *strictum* (Ait.) Fern. Yellow Avens. Moist prairie. 1, 2, 3, 3a, 4.
Potentilla argentea L. Silvery Cinquefoil. Introduced from Europe. Lac la Ronge and Parkbeg.
—**argyrea** Rydb. *P. hippiana* Lehm. var. *argyrea* (Rydb.) Boiv. Silvery Potentilla. Prairie. 1, 2, 3a.
—**biennis** Greene Biennial Cinquefoil. Saskatoon.
—**bipinnatifida** Dougl. *P. pennsylvanica* L. var. *bipinnatifida* (Dougl.) T. and G. Plains Cinquefoil. Dry prairie. 1, 2, 3, 3a.
—**camporum** Rydb. Prairie Cinquefoil. Moist prairie. 1, 2, 3, 4.

—**concinna** Richards. Early Cinquefoil. Dry prairie and hills. 1, 2, 3, 3a, 4.
—**effusa** Dougl. Branched Cinquefoil. Dry prairie. 1, 2, 3a.
—**flabelliformis** Lehm. Silky-leaved Cinquefoil. Moist prairie. 1, 2, 3.
—**glabrella** Rydb. *P. pennsylvanica* L. var. *glabrata* (Hook.) S. Wats. Glabrate Cinquefoil. Prairie. 2, 3, 4.
—**glaucophylla** L. Smooth-leaved Cinquefoil. Alpine meadow. Cypress Hills.
—**gracilis** Doug. Graceful Cinquefoil. Prairie. 1, 3, 3a.
—**hippiana** Lehm. Woolly Cinquefoil. Dry prairie. 1, 2, 3, 3a, 4.
—**hookeriana** Lehm. Hooker's Cinquefoil. Prairie. 2, 3.
—**juncunda** A. Nels. Showy Cinquefoil. Cypress Hills.
—**millegrana** Engelm. Diffuse Cinquefoil. Moist prairie. 1, 2, 4, 5.
—**monspeliensis** L. *P. norvegica* L. var. *hirsuta* (Michx.) Lehm. Rough Cinquefoil. Wet meadows. 1, 2, 3, 3a, 4, 5, 6.
—**multifida** L. Athabaska Lake.
—**nicolletii** (S. Wats.) Sheld. Nicollet's Cinquefoil. Prairie. Saskatoon.
—**nivea** L. Snowy Cinquefoil. Rocks. Athabaska Lake.
var. **pentaphylla** Lehm. Dry hillside. Saskatoon.
—**nuttallii** Lehm. *P. gracilis* Dougl. var. *rigida* (Nutt.) S. Wats. Nuttall's Cinquefoil. Prairie. 1, 2, 3, 3a, 4.
—**paradoxa** Nutt. Strange Cinquefoil. Margins of sloughs. 1, 2, 3, 4.
—**pectinata** Raf. Comb-like Cinquefoil. Wet gravelly soil. Athabaska Lake.
—**pennsylvanica** L. Pennsylvania Cinquefoil. Prairie and lake shores. 1, 2, 3, 4, 6.
—**plattensis** Nutt. Low Cinquefoil. Saline depressions. 1, 2, 3.
—**platyloba** Rydb. Broad-lobed Cinquefoil. Prairie. 2, 3.
—**pulcherrima** Lehm. *P. gracilis* Dougl. var. *pulcherrima* (Lehm.) Fern. Beautiful Cinquefoil. Prairie. 1, 2, 3, 4.
—**recta** L. Upright Cinquefoil. Imported weed. Mortlach and Swift Current.
—**strigosa** Pall. Hairy Cinquefoil. Dry prairie. 1, 2, 3, 4.
—**viridescens** Rydb. Green Cinquefoil. Prairie. 1, 2, 3.
Rosa acicularis Lindl. Prickly Rose. Margins of bluffs. 1, 2, 3, 3a, 4.
—**alcea** Greene Prairie Rose. Prairie and hills. 1, 2, 3.
—**macounii** Greene Macoun's Rose. Sandy prairie. 1, 2, 3, 4.
—**suffulta** Greene *R. arkansana* Port. var. *suffulta* (Greene) Cock. Prairie. 1, 2, 4.
—**woodsii** Lindl. Wood's Rose. Margins of bluffs and open woods. 2, 3a, 4.
Rubus acaulis Michx. Stemless Raspberry. Moist spots in forest. 2, 3a, 4, 5.
—**arcticus** L. *R. paracaulis* Bail. Arctic Raspberry. Bogs. 3a, 4, 5.
—**chamaemorus** L. Cloudberry. Margins of swamps and bogs. 4, 5, 6.
—**melanolasius** Focke *R. idaeus* L. var. *strigosus* (Michx.) Maxim. Wild Raspberry. Margins of bluffs and open forest. 2, 3a, 4, 5, 6.
—**pubescens** Raf. Dewberry. Forests. 2, 3, 3a, 4, 5, 6.
Sibbaldiopsis tridentata (Soland.) Rydb. *Potentilla tridentata* Ait. Three-toothed Cinquefoil. 4, 5, 6.
Sieversia triflora (Pursh) R. Br. *Geum triflorum* Pursh Three-flowered Avens. Prairie and hills. 1, 2, 3, 3a, 4, 5, 6.
Sorbaria sorbifolia (L.) A. Br. Ash-leaved Spiraea. Escaped from cultivation. Clearwater Lake.
Spiraea alba Du Roi Meadow-sweet. Shallow depressions on the prairie. 2, 3, 4.
—**lucida** Dougl. Meadow-sweet. Open woods. Cypress Hills.

MALACEAE. Apple Family.

Amelanchier alnifolia Nutt. Saskatoon. Hillsides and margins of bluffs. 1, 2, 3, 3a. 4, 5,

Crataegus chrysocarpa Ashe Hawthorn. Hillsides and margins of bluffs. 1, 2, 3.
—**columbiana** Haw. Hawthorn. Margins of bluffs and narrow ravines. 2, 3a.
—**douglasii** Lindl. Cypress Hills.
—**succulenta** Schrad. Hawthorn. Wooded hillsides. 2, 3a.
Sorbus scopulina Greene Mountain Ash. 3a, 4, 5.

AMYGDALACEAE. Plum Family.

Prunus americana Marsh Wild Plum. River banks. Roche Percee.
—**besseyi** Bail. Sand Cherry. Hudson Bay Jctn. and Welby.
—**melanocarpa** (A. Nels.) Rydb. *P. virginiana* L. Choke-cherry. Margins of bluffs, sandy prairie and sand dunes. 1, 2, 3, 3a, 4.
—**pennsylvanica** L. f. Pin-cherry. Margins of bluffs, coulee banks and open woods. 1, 2, 3, 3a, 4, 5.

FABACEAE. Pea Family.

Acmispon americanus (Nutt.) Rydb. *Lotus americanus* (Nutt.) Bisch. Birds-foot Trefoil. Gainsborough.
Astragalus canadensis L. Canadian Milk-vetch. Moist prairie. 1, 2, 3, 4.
—**goniatus** Nutt. Purple Milk-vetch. Moist prairie. 1, 2, 3, 3a, 4.
—**striatus** Nutt. Ascending Milk-vetch. Dry prairie. 1, 2, 3, 4.
Atelophragma aboriginum (Richards.) Rydb. Atelophragma. 3, 3a.
—**alpinum** (L.) Rydb. *Astragalus alpinus* L. Northern Atelophragma. 1, 3, 4.
—**elegans** (Hook.) Rydb. *Astragalus eucosmus* Robins. Open woods. 2, 3, 4, 5, 6.
Batidophaca lotiflora (Hook.) Rydb. *Astragalus lotiflorus* Hook. Low Milk-vetch. Prairie. 1, 2.
Caragana arborescens Lam. Caragana. Imported shrub used commonly for hedges. Escaped in places.
Cnemidophacos pectinatus (Hook.) Rydb. *Astragalus pectinatus* (Hook.) Dougl. Narrow-leaved Milk-vetch. Dry prairie and hills. 1, 2, 3, 4.
Diholcos bisulcatus (Hook.) Rydb. *Astragalus bisulcatus* (Hook.) Gray Bisulcate Milk-vetch. Prairie. 1, 2, 3, 4.
Geoprumnon crassicarpum (Nutt.) Rydb. *Astragalus caryocarpus* Ker Buffalo-bean. Prairie. This species may occur in Saskatchewan but it is difficult to distinguish from the following species.
—**succulentum** (Richards.) Rydb. *A. succulentus* Richards. Buffalo-bean. Prairie. 1, 2, 3, 4.
Glycyrrhiza lepidota (Nutt.) Pursh Wild Licorice. Moist prairie and lake shores. 1, 2, 3, 3a, 4.
Hedysarum americanum (Michx.) Britt. *H. alpinum* (L.) var. *americanum* Michx. Hedysarum. Moist prairie, margins of bluffs and open forest. 2, 3, 3a, 4.
—**cinerascens** Rydb. Silvery Hedysarum. Dry prairie and hills. 1, 2, 3, 3a.
—**mackenzii** Richards. McKenzie's Hedysarum. River banks and open woods. 3, 4. According to Macoun the root was eaten by the Indians.
Homalobus caespitosus Nutt. *Astragalus caespitosus* Gray Tufted Milk-vetch. Dry prairie and hills. 1, 3a.
—**tenellus** (Pursh) Britt. *A. tenellus* Pursh Loose-flowered Milk-vetch. Margins of bluffs and open woods. 1, 2, 3, 3a, 4.
—**vexilliflexus** (Sheld.) Rydb. *A. vexilliflexus* Sheld. Few-flowered Milk-vetch. Dry hillsides. 1, 3a.

Kentrophyta montana Nutt. Prickly Milk-vetch. Sand dunes and badlands. 1.

Lathyrus ochroleucus Hook. Cream-colored Vetchling. Margins of bluffs and open woods. 1, 2, 3, 3a, 4, 5.

—**palustris** L. Marsh Vetchling. Margins of sloughs and marshes. 3, 4.

—**venosus** Muhl. Wild Pea-vine. Bluffs and open woods. 1, 2, 3, 4, 5.

Lupinus argenteus Pursh Silvery Lupine. Hillsides and benchland. 1, 3a.

—**pusillus** Pursh Small Lupine. Sandy prairie. 1, 2.

Medicago falcata L. Yellow Lucerne. Cultivated for hay and pasture. Escaped in places.

—**hispida** Gaertn. Bur-clover. Imported weed. Spalding.

—**lupulina** L. Black Medic. Imported weed: rare. 2, 3, 4.

—**sativa** L. Alfalfa. Cultivated for hay and pasture. Escaped in places.

Melilotus alba Desv. Sweet Clover. Cultivated for hay and pasture. Escaped in many districts.

—**officinalis** (L.) Lam. Yellow Sweet Clover. Cultivated for pasture and escaped in many districts.

Orophaca caespitosa (Nutt.) Britt. *Astragalus triphyllus* Pursh Cushion Milk-vetch. Dry hills. 1, 2, 3.

Oxytropis deflexa (Pall.) DC. Flexuose Loco-weed. Margins of bluffs and open woods. 1, 2, 3, 3a, 4.

—**glabrata** (Hook.) A. Nels. Glabrate Loco-weed. Prairie. 1, 2, 3, 3a, 4.

—**gracilis** (A. Nels.) K. Schum. Late Loco-weed. Prairie. 1, 2, 3, 4, 5.

—**lambertii** Pursh Lambert's Loco-weed. Bienfait and Estevan.

—**macounii** (Greene) Rydb. Macoun's Loco-weed. Dry prairie. 1, 2, 3.

—**richardsonii** (Hook.) K. Schum. Woolly Loco-weed. Prairie. 2, 3.

—**splendens** Dougl. Purple Loco-weed. Prairie. 2, 3. In Gray's manual *O. splendens* and *O. richardsonii* are treated as one species.

—**villosa** (Rydb.) K. Schum. Hairy Loco-weed. Cypress Hills and Carnduff.

Pediomelum esculentum (Pursh) Rydb. *Psoralea esculenta* Pursh Indian Breadroot. Sandy prairie. 1, 2, 3, 3a. The root was eaten by the Indians.

Petalostemon candidus (Willd.) Michx. White Prairie-clover. Prairie.1, 2, 3, 3a, 4.

—**mollis** Rydb. Snipe Lake.

—**oligophyllus** (Torr.) Rydb. *Petalostemum occidentale* (Gray) Fern. Western Prairie-clover. Dry prairie. 1.

—**purpureus** (Vent.) Rydb. Purple Prairie-clover. Dry prairie and hills. 1, 2, 3, 3a.

Phaca americana (Hook.) Rydb. *Astragalus americanus* (Hook.) Jones Arctic Milk-vetch. Moist prairie and open woods. 3, 3a, 4.

Pisophaca flexuosa (Dougl.) Rydb. Flexile Milk-vetch. Dry prairie. 1, 2, 3, 4.

Psoralidium argophyllum (Pursh) Rydb. *Psoralea argophylla* Pursh Silvery Psoralea. Dry prairie. 1, 2, 3, 3a.

—**lanceolatum** (Pursh) Rydb. *Psoralea lanceolata* Pursh Lance-leaved Psoralea. Sandy prairie and dunes. 1, 2.

Thermopsis rhombifolia (Nutt.) Richards. Golden Bean. Prairie. 1, 2, 3, 3a,4.

Tium drummondii (Dougl.) Rydb. *Astragalus drummondii* Dougl. Drummond's Milk-vetch. Prairie and hills. 1, 2, 3, 3a.

Trifolium hybridum L. Alsike Clover. Cultivated to a limited extent. Escaped and established, especially in roadside ditches.

—**pratense** L. Red Clover. Cultivated to a very limited extent. Escaped in a few districts.

—**procumbens** L. Low Yellow Clover. Imported species. Prairie River and Bannock.

—**repens** L. White Clover. Lawns and pastures. Escaped in many districts.
Trigonella coerulea Ser. Sweet Trefoil. Imported weed. 1, 2.
Vicia americana Muhl. American Vetch. Margins of bluffs and open woods. 1, 2, 3, 3a, 4, 5.
—**cracca** L. Tufted Vetch. Imported species. 1, 2, 3, 4, 6.
—**oregana** Nutt. *V. americana* Muhl. var. *truncata* (Nutt.) Brewer Hardly distinquishable from *V. americana.*
—**sparsifolia** Nutt. Narrow-leaved Vetch. Prairie and hills. 1, 2, 3, 3a, 5.
—**trifida** Dietr. Pubescent Vetch. Dry prairie. 1, 2, 3, 3a.
Xylophacos missouriensis (Nutt.) Rydb. *Astragalus missouriensis* Nutt. Missouri Milk-vetch. Dry sandy prairie. 1, 2, 3.

GERANIACEAE. Geranium Family.

Erodium cicutarium (L.) L'Her. Storkbill. Imported weed. 1, 2, 3.
Geranium bicknellii Britt. Bicknell's Wild Geranium. Open woods. 2, 3, 3a, 4, 5.
—**carolinianum** L. Wild Geranium. Open woods. 3, 3a, 4.
—**richardsonii** F. and T. Richardson's Wild Geranium. Moist places in bluffs and thickets. Cypress Hills.
—**viscossissimum** F. and M. Wild Geranium. Open places in coulee bottoms and margins of thickets. 1, 3, 3a.

OXALIDACEAE. Wood-sorrel Family.

Xanthoxalis bushii Small *Oxalis europea* Jord. var. *bushii* (Small) Wieg. Yellow Wood-sorrel. Moist forest. 2, 4.
—**corniculata** (L.) Small *O. corniculata* L. Imported weed. Procumbent Wood-sorrel. 1, 4.
—**stricta** (L.) Small *O. stricta* L. Upright Wood-sorrel. Dry prairie. 1, 2, 3.

LINACEAE. Flax Family.

Cathartolinum compactum (A. Nels.) Small *Linum* compactum A. Nels. Yellow Flax. Dry prairie. 1, 2, 3.
—**rigidum** (Pursh) Small *L. rigidum* Pursh Yellow Flax. Dry prairie and hills. 1, 2, 3.
—**sulcatum** (Riddell) Small *L. sulcatum* Riddell Yellow Flax. Sandy prairie. 2, 3.
Linum lewisii Pursh Wild Flax. Dry prairie and hills. 1, 2, 3, 3a.
—**usitatissimum** L. Flax. Cultivated extensively.

BALSAMINACEAE. Jewel-weed Family.

Impatiens biflora Walt. *I. capensis* Meerb. Touch-me-not. Margins of lakes and streams. 2, 3a, 4, 5.
—**occidentalis** Rydb. *I. noli-tangere L.* Touch-me-not. Margins of lakes and streams. 4, 5.

POLYGALACEAE. Milkwort Family.

Polygala alba Nutt. White Milkwort. Dry prairie and hills. 1, 2.
—**paucifolia** Willd. Fringed Milkwort. Moist meadows. 4.
—**senega** L. Seneca-root. Moist prairie near bluffs and open woods. 2, 3, 4, 5. var. **latifolia** T. and G. McLean. The roots are used for medicinal purposes. In former years the roots were gathered extensively by the Indians and sold to fur buyers.

EUPHORBIACEAE. Spurge Family.

Chamaesyce glyptosperma (Engelm.) Small *Euphorbia glyptosperma* Engelm. Prostrate Spurge. 1, 2, 3a, 4.

—**serpyllifolia** (Pers.) Small *E. serpyllifolia* Pers. Prostrate Spurge. 1, 2, 3, 3a. 4.

Galarrhoeus esula (L.) Rydb. *E. esula* L. Leafy Spurge. Imported weed. Cultivated fields and roadsides. 1, 2, 3, 4.

—**lucidus** (Waldst. and Kit.) Rydb. *E. lucida* Waldst. and Kit. Shining Spurge. Imported weed. Kamsack.

CALLITRICHACEAE. Water Starwort Family.

Callitriche autumnalis L. *C. hermaphroditica* L. Water Starwort. Streams. 1, 2, 3a, 4.

—**palustris** L. Water Starwort. Streams and sloughs. 1, 2, 6.

EMPETRACEAE. Crowberry Family.

Empetrum nigrum L. Crowberry. Wet meadows. 4, 5, 6.

ANACARDIACEAE. Sumach Family.

Rhus trilobata Nutt. *R. aromatica* Ait. Skunk-bush. Steep hillsides. 1, 2, 3.

Toxicodendron desertorum Lunell Low Poison-ivy. Sand dunes. 2.

—**rydbergii** (Small) Greene *Rhus radicans* L. var. *rydbergii* (Small) Rehd. Poison Ivy. Margins of forest and thickets. 1, 2, 3, 3a.

ACERACEAE. Maple Family.

Acer spicatum Lam. Mountain Maple. Forests. 4 (eastern part).

Negundo interius (Britt.) Rydb. *Acer negundo* L. var *interius* (Britt.) Sarg. Manitoba Maple. In valleys and along streams. 1, 2, 3, 4. Used extensively as cultivated shade trees and in windbreaks.

RHAMNACEAE. Buckthorn Family.

Rhamnus alnifolia L'Her. Alder-leaved Buckthorn. Margins of swamps. 2, 3, 4, 5.

—**cathartica** L. Buckthorn. Imported shrub used for hedges. Escaped in places. This shrub acts as the alternate host for crown rust of oats.

MALVACEAE. Mallow Family.

Abutilon theophrasti Medic. Velvet-leaf. Escaped from flower gardens. Biggar.

Hibiscus trionum L. Venice Mallow. Escaped from flower gardens. Regina and Vanscoy.

Malva parviflora L. Small-flowered Mallow. Imported weed found chiefly around farm yards. 1, 2, 3, 4.

—**rotundifolia** L. Round-leaved Mallow. Imported weed. Farm yards. Mortlach.

—**verticillata** L. Whorled Mallow. Escaped from flower gardens. 2, 3.

Sphaeralcea coccinea (Nutt.) Rydb. Scarlet Mallow. Dry prairie and hills. 1, 2, 3.

HYPERICACEAE. St. John's-wort Family.

Hypericum majus (Gray) Britt. St. John's-wort. Wet spots. 5, 6.

ELATINACEAE. Waterwort Family.

Elatine americana (Pursh) Arn. Waterwort. Margins of ponds and streams. 1, 2, 5.
—**triandra** Schkuhr Waterwort. Muddy place in open field. Parkbeg.

CISTACEAE. Rock-rose Family.

Hudsonia tomentosa Nutt. Sand Heather. Sand dunes. 3, 4, 6.
Lechea intermedia Leggett Athabaska Lake.

VIOLACEAE. Violet Family.

Viola adunca Smith Early Blue Violet. Moist prairie and bluffs. 1, 2, 3, 3a, 4. A white-flowered form was collected at Rosthern.
—**arvensis** Murr. Wild Pansy. Sandy lake shores. Yorkton and Wilkie.
—**nephrophylla** Greene Bog Violet. Bogs. 1, 2, 3, 3a, 4.
—**nuttallii** Pursh Nuttall's Yellow Violet. Dry hillsides. 1, 2, 3.
—**palustris** L. Marsh Violet. Margins of streams and marshes. 3, 4, 5.
—**pedatifida** Don. Crow-foot Violet. Prairie. 2, 3, 3a.
—**rafinesquii** Greene *V. kitaibeliana* R. and S. var. *rafinesquii* (Greene) Fern. Field Pansy. Tisdale. Imported weed.
—**renifolia** Gray Kidney-leaved Violet. Moist woods. 3a, 4, 5.
—**rugulosa** Greene Western Canada Violet. Moist woods. 1, 2, 3, 3a, 4, 5.
—**russellii** Boiv. Saskatchewan Violet. Slight depressions at the edges of plateaus along coulees or river-banks. 1, 2, 3. This yellow-flowered violet was formerly listed as *V. vallicola* A. Nels.
—**subvestita** Greene Probably not specifically distinct from *V. adunca*, but the leaves are puberulent. 1, 2, 3, 4.

LOASACEAE. Loasa Family.

Nuttallia decapetala (Pursh) Greene *Mentzelia decapetala* (Pursh) Urban and Gilg. Evening-star. Dry hillsides. 1, 2, 3a.

CACTACEAE. Cactus Family.

Neomamillaria vivipara (Nutt.) Britt. and Rose *Mamillaria vivipara* (Nutt.) Haw. Purple Cactus. Dry hills. 1, 2, 3.
Opuntia fragilis (Nutt.) Haw. Yellow Cactus. Dry prairie. 1, 2.
—**polyacantha** Haw. Prickly Pear. Dry prairie and hills. 1, 2, 3.

ELAEAGNACEAE. Oleaster Family.

Elaeagnus commutata Bernh. Silverberry. Sandy prairie. 1, 2, 3, 4, 5.
Shepherdia argentea Nutt. Thorny Buffalo-berry. Dry prairie and lake shores. 1, 2, 3.
—**canadensis** (L.) Nutt. Low Buffalo-berry. Open woods. 1, 2, 3, 3a, 4, 5.

ONAGRACEAE. Evening-primrose Family.

Anogra nuttallii (Sweet) A. Nels. *Oenothera nuttallii* Sweet White Evening-primrose. Sandy prairie and roadsides. 1, 2, 3.
Boisduvallia glabella (Nutt.) Walp. Boisduvallia. Wet places on prairie. Bracken, Cypress Hills and Mortlach.
Chamaenerion spicatum (Lam.) S. F. Gray *Epilobium angustifolium* L. Fireweed. Open woods and moist prairie. 1, 2, 3, 3a, 4, 5, 6.
Circaea alpina L. Enchanter's Nightshade. Wet spots in forests. 3, 4, 5, 6.

Epilobium adenocaulon Haussk. *E. glandulosum* Lehm. var. *adenocaulon* (Haussk.) Fern. Northern Willow-herb. Margins of sloughs. 1, 2, 3, 4, 5.
—**adenocladon** (Haussk.) Rydb. *E. paniculatum* Nutt. var. *subulatum* (Haussk.) Fern. Narrow-leaved Willow-herb. Depressions on prairie. 1, 2.
—**americanum** Haussk. *E. ciliatum* Raf. American Willow-herb. Margin of creek. Beaver Creek.
—**lineare** Muhl. *E. leptophyllum* Raf. Margins of sloughs and bogs. 1, 2, 3, 3a, 4, 5.
—**oliganthum** Michx. *E. palustre* L. var. *oliganthum* (Michx.) Fern. Marsh Willow-herb. Bogs. Dahlton and Pike Lake.
—**paniculatum** Nutt. Nokomis.
—**wyomingense** A. Nels. *E. palustre* L. var. *grammadophyllum* Haussk. Bjorkdale and Chaplin.
Gaura coccinea Pursh Butterfly-weed. Dry prairie and hills. 1, 2, 3.
—**glabra** Lehm. Smooth Butterfly-weed. Dry prairie and hills. 1, 2.
Lavauxia flava A. Nels. *Oenothera flava* (A. Nels.) Garrett Yellow Lavauxia. Dry prairie. 1, 2.
Meriolix serrulata (Nutt.) Walp. *Oenothera serrulata* Nutt. Dry prairie and hills. 1, 2, 3.
Oenothera biennis L. Evening-primrose. Imported weed. Brock and Saskatoon.
—**muricata** L. *O. parviflora* L. Evening-primrose. River bank. Prince Albert.
—**strigosa** (Rydb.) Mack. and Bush. *O. biennis* L. var. *hirsutissima* Gray Dry sandy prairie and roadsides. Evening-primrose. 1, 2, 3, 4.
Pachylophus caespitosus (Nutt.) Raim. Rock Rose. Dry hillsides. 1, 2.
—**montanus** (Nutt.) A. Nels. Mountain Rose. Dry hillsides. 1, 2.
Taraxia breviflora (T. and G.) Nutt. Taraxia. Sidewood.

HALORAGIDACEAE. Water-milfoil Family.

Hippuris vulgaris L. Mare's-tail. Sloughs and streams. 1, 2, 3, 3a, 4, 5, 6.
Myriophyllum pinnatum (Walt.) B.S.P. Pinnate Water-milfoil. Shallow water. Wordsworth.
—**spicatum** L. *M. exalbescens* Fern. Water-milfoil. Sloughs and quiet streams. 1, 2, 3, 3a, 4.
—**verticillatum** L. Whorled Water-milfoil. Prince Albert and Yorkton.

ARALIACEAE. Ginseng Family.

Aralia hispida Vent. Bristly Sarsaparilla. Rocky, open forest. 6.
—**nudicaulis** L. Wild Sarsaparilla. Aspen bluffs and forests. 1, 2, 3, 3a, 4, 5, 6.

AMMIACEAE. Carrot Family.

Atenia montana (Blank.) Rydb. Squaw-root. Moist woods. Cypress Hills.
Carum carui L. Caraway. Roadsides. Escaped from cultivation. 3, 4, 5, 6.
Cicuta bulbifera L. Bulb-bearing Water-hemlock. Marshes. 3, 4, 5, 6.
—**mackenzieana** Raup Athabaska Lake.
—**occidentalis** Greene Western Water-hemlock. Shallow sloughs and margins of lakes and streams. 1, 2, 3, 4, 5. The roots of this plant are poisonous to livestock.
Cogswellia macrocarpa (Nutt.) Jones Large-fruited Cous. Dry prairie and hills. 1, 2, 3, 3a, 4.

—**orientalis** (C. and R.) Jones *Lomatium orientale* C. and R. Eastern Cous. Bienfait.
—**villosa** (Raf.) Schultes *L. foeniculaceum* (Nutt.) C. and R. Yellow Cous. Dry prairie and hills. 1, 2, 3, 3a.
Conium maculatum L. Poison Hemlock. Imported weed. Maclean.
Cymopterus acaulis (Pursh) Rydb. Cymopterus. Dry hills. 1, 2, 3.
Heracleum lanatum Michx. *H. maximum* Bartr. Cow Parsnip. 1, 2, 3, 3a, 4.
Leptotaenia multifida Nutt. Cypress Hills.
Musineon divaricarpum (Pursh) Nutt. Leafy Musineon. Dry hills. 1, 2, 3.
—**trachyspermum** Nutt. Rough-seeded Musineon. 1, 2, 3.
Osmorrhiza divaricata Nutt. *O. chilensis* H. and A. Sweet Cicely. Cypress Hills.
—**longistylis** (Torr.) DC. Anise-root. Moist, shady woods. 1, 2, 3.
—**obtusa** (C. and R.) Fern. Sweet Cicely. Forest. 3a, 4.
Pastinaca sativa L. Parsnip. Escaped from cultivation. 1, 3.
Sanicula marilandica L. Snake-root. Moist prairie and open woods. 1, 2, 3, 3a.
Scandix pecten-veneris L. Shepherd's Needle. Imported weed. Golburn.
Sium cicutaefolium Schrank *S. sauve* Walt. Water Parsnip. Shallow sloughs and margins of streams. 1, 2, 3, 4.
Zizia cordata (Walt.) Koch *Z. aptera* (Gray) Fern. Meadow-parsnip. Moist prairie and open woods. 1, 2, 3, 3a, 4.

CORNACEAE. Dogwood Family.

Chamaepericlimenum canadense (L.) Asch. and Graebn. *Cornus canadensis* L. Bunchberry. Aspen woods. 2, 3, 3a, 4, 5, 6.
Svida instolonea A. Nels. Dogwood. Wooded hillsides. 2, 3, 4, 5. Indians formerly smoked the inner bark of this shrub.
—**stolonifera** (Michx.) Rydb. *Cornus stolonifera* Michx. Red-osier Dogwood. Moist soil on river banks and in wooded coulees. 1, 2, 3a, 4, 5.

PYROLACEAE. Wintergreen Family.

Braxilia minor (L.) House *Pyrola minor* L. Lesser Wintergreen. Forests. 3a, 5, 6.
Chimaphila occidentalis Rydb. *C. umbellata* (L.) Bart. var. *occidentalis* (Rydb.) Blake Pipsissewa. Dry woods. 3a, 4, 6.
Moneses uniflora (L.) Gray One-flowered Wintergreen. Forests. 3, 3a, 4, 5.
Orthilia secunda (L.) House *Pyrola secunda* L. Secund Wintergreen. Forests. 2, 3, 3a, 4, 5, 6.
Pyrola asarifolia Michx. Wintergreen. Aspen bluffs and forest. 1, 2, 3, 3a, 4, 5.
—**chlorantha** Sw. *P. virens* Schweigger Greenish-flowered Wintergreen. Bluffs and forests. 2, 3a, 4, 5.
—**elliptica** Nutt. White-flowered Wintergreen. Bluffs and forests. 2, 3, 3a, 4.
—**grandiflora** Rad. Arctic Wintergreen. Athabaska Lake.
—**uliginosa** Torr. *P. asarifolia* Michx. var. *purpurea* (Bunge) Fern. Wintergreen. 2, 3, 4, 5.

MONOTROPACEAE. Indian Pipe Family.

Hypopitys latisquama Rydb. *Monotropa hypopithys* L. Pine-sap. Forests. Cypress Hills.

Monotropa uniflora L. Indian Pipe. Dense forest. 3, 4, 5, 6.
Pterospora andromedea Nutt. Pine-drops. Pine woods. Cypress Hills.

ERICACEAE. Heath Family.

Andromeda polifolia L. Bog Rosemary. Bogs. 4, 5, 6.
Arctostaphylos uva-ursi (L.) Spreng. Bearberry. Sandy banks and hills. 2, 3, 3a, 4, 5, 6.
Arctous erythrocarpa Small *Arctostaphylos rubra* (Rehd. and Wils.) Fern. Red Alpine Bearberry. Athabaska Lake.
Chamaedaphne calyculata (L.) Moench Leather Leaf. Margins of bogs. 4, 5, 6.
Kalmia polifolia Wang. Pale Laurel. Bogs. 4, 5, 6.
Ledum decumbens (Ait.) Lodd. Reeve's Lake.
—**groenlandicum** Oeder Labrador Tea. Bogs and wet forest. 3, 4, 5, 6. Used by fur traders at times as a substitute for tea.

VACCINIACEAE. Huckleberry Family.

Chiogenes hispidula (L.) T. and G. *Gaultheria hispidula* (L.) Bigel. Creeping Snowberry. Coniferous forest. 4.
Cyanococcus canadensis (Richards.) Rydb. *Vaccinium angustifolium* Ait. var. *hypoplasium* Fern. Blueberry. Open woods on sandy soil. 3, 4, 5, 6.
Oxycoccus palustris Pers. *Vaccinium oxycoccus* L. Swamp Cranberry. Bogs. 4, 5.
—**microcarpus** Turcz. *V. oxycoccus* L. Small Cranberry. Bogs. 4, 5.
Vaccinium caespitosum Michx. Dwarf Bilberry. Open woods and gravelly shores. 3, 3a, 4.
—**uliginosum** L. Alpine Bilberry. Rocky or peaty barrens. Athabaska Lake and Wollaston Lake.
Vitis-idaea punctata Moench *Vaccinium vitis-idaea* L. Dry-ground Cranberry. Rocky, sandy or dry peaty spots. 4, 5, 6.

PRIMULACEAE. Primrose Family.

Androsace occidentalis Pursh Western Pigmy-flower. Dry prairie. 1.
—**puberulenta** Rydb. Puberulent Pigmy-flower. Dry prairie often persisting after the land is brought under cultivation. 1, 2, 3, 4, 6.
Centunculus minimus L. Chaffweed. Margins of sloughs and lakes. 1, 2.
Dodecatheon cylindrocarpum Rydb. Highland Shooting-star. Benchland and hills. 1, 2, 3a.
—**pauciflorum** (Dur.) Greene Shooting-star. Saline meadows. 2, 3, 4.
—**salinum** A. Nels. Shooting-star. Saline meadows. 1, 2, 3.
Glaux maritima L. Sea Milk-wort. Wet, saline. meadows. 1, 2, 3, 4.
Naumbergia thyrsiflora (L.) Duby *Lysimachia thyrsiflora* L. Tufted Loosestrife. Margins of streams and marshes. 2, 3, 3a, 4, 5, 6.
Primula incana Jones Mealy Primrose. Saline meadows. 1, 2, 3, 4, 5.
—**mistassinica** Michx. Dwarf Primrose. Wet places in forests. 4, 6.
Steironema ciliatum (L.) Raf. *Lysimachia ciliata* L. Fringed Loosestrife. Margins of bluffs and open woods on wet soil. 1, 2, 3, 3a, 4.
—**hybridum** (Michx.) Raf. *L. hybrida* Michx. Meadow Loosestrife. Wet meadows. 2, 3.
Trientalis americana Pursh *T. borealis* Raf. Star-flower. Forests. 4, 5, 6.

PLUMBAGINACEAE. Leadwort Family.

Statice interior Raup Athabaska Lake.

OLEACEAE. Olive Family.

Fraxinus campestris Britt. Green Ash. In large coulees and valleys along streams. 1, 2, 3.

GENTIANACEAE. Gentian Family.

Amarella acuta (Michx.) Raf. *Gentiana amarella* L. Northern Gentian. Moist meadows. 2, 3, 3a, 4, 5.
—**plebeia** (Cham.) Greene *G. amarella* L. Few-flowered Gentian. Moist meadows. 1, 2, 3, 4, 6.
—**scopulorum** Greene Slender Gentian. Moist meadows. Cypress Hills.
—**strictiflora** (Rydb.) Greene Many-flowered Gentian. Moist meadows. 1, 2, 3, 3a, 4, 5.
Anthopogon tonsus (Lunell) Rydb. *Gentiana tonsa* (Lunell) Vict. Bog Gentian. Bogs. 1, 2, 3. 4.
Chondrophylla fremontii (Torr.) A. Nels. *Gentiana humilis* Gray Saline meadow. Mortlach.
Dasystephana affinis (Griseb.) Rydb. *Gentiana affinis* Griseb. Blue Gentian. Moist, saline meadows. 1, 2, 3.
—**andrewsii** (Griseb.) Small *G. andrewsii* Griseb. Closed Blue Gentian. Moist meadows. Zeneta.
—**interrupta** (Greene) Rydb. Gentian. Moist meadows. St. Gregor.
—**puberula** (Michx.) Small *G. puberula* Michx. Downy Gentian. Moist prairie.
Halenia deflexa (Smith) Griseb. Spurred Gentian. Forests. 4.
Pleurogyne rotata (L.) Griseb. *Lomatogonium rotatum* (L.) Fries Marsh Felwort. Bogs and lake shores. 1, 2.

MENYANTHACEAE. Buckbean Family.

Menyanthes trifoliata L. var. **minor** Raf. Buckbean. Bogs. 2, 3, 4, 5, 6.

APOCYNACEAE. Dogbane Family.

Apocynum androsaemifolium L. Spreading Dogbane. Sandy prairie and open woods. 1, 3, 5, 6.
—**scopulorum** Greene Spreading Dogbane. Sandy prairie and margins of bluffs. 2, 3, 3a, 4, 5.
—**sibiricum** Jacq. Clasping-leaved Dogbane. Shores and moist prairie. 1, 2, 3, 4.

ASCLEPIADACEAE. Milkweed Family.

Acerates viridiflora (Raf.) Eat. *Asclepias viridiflora* Raf. Green Milkweed. Sandy prairie and dunes. 1, 2, 3.
var. **linearis** (Gray) Fern. 1, 2, 3.
Asclepias ovalifolia Decne. Dwarf Milkweed. Prairie. 2, 3, 4.
—**speciosa** Torr. Showy Milkweed. Prairie and highway grades. 1, 2, 3.

CONVOLVULACEAE. Morning-glory Family.

Convolvulus americanus (Sims) Greene *C. sepium* L. var. *americanus* Sims Bindweed. Moist thickets along streams. 1, 2, 3, 4.
—**arvensis** L. Field Bindweed. Imported weed. Cultivated fields and roadsides. 1, 2, 3.
—**interior** House Bindweed. Sandy prairie and fields. 1, 2.
—**sepium** L. Large-flowered Bindweed. Thickets and shores. 2, 3, 4.

CUSCUTACEAE. Dodder Family.

Cuscuta curta (Engelm.) Rydb. *C. megalocarpa* Rydb. Dodder. Parasitizes various hosts. 1, 2, 3, 4.
—**planiflora** Tenore *C. epilinum* Weihe Flax Dodder. Saskatoon.

POLEMONIACEAE. Phlox Family.

Collomia linearis Nutt. Collomia. Moist meadows. 1, 2, 3, 3a, 4, 5.
Gilia aggregata (Pursh) Spreng. Sky-rocket. Dry. prairie. 1.
Linanthus harknessii (Curran) Greene Linanthus. Nashlyn.
Navarretia minima Nutt. Navarretia. Sandy prairie. 1, 2, 3a.
Phlox alyssifolia Greene Blue Phlox. Dry prairie and hills. Bengough.
—**hoodii** Richards. Moss Phlox. Dry prairie and hills. 1, 2, 3, 3a. Forms with purplish flowers are seen occasionally.

HYDROPHYLLACEAE. Waterleaf Family.

Ellisia nyctelea L. Nyctelea. Moist woods and stream banks. 1, 2, 3, 3a.
Phacelia franklinii (R. Br.) Gray Franklin's Phacelia. Open woods on sandy soil. 2, 4, 5, 6.
—**glandulifera** Piper Glandular Phacelia. Val Marie.

HELIOTROPACEAE. Heliotrope Family.

Heliotropium spathulatum Rydb. Heliotrope. Borders of saline lakes. 1, 2.

BORAGINACEAE. Borage Family.

Allocarya californica (F. and M.) Greene Allocarya. Sandy prairie. 1, 2, 3, 3a.
Amsinckia idahoensis Jones Fiddle-neck. Estevan.
Borago officinalis L. Borage. Escaped from flower gardens. 1, 2, 4.
Cryptantha crassisepala (T. and G.) Greene Cryptanthe. Dry prairie. 1, 3a.
—**fendleri** (Gray) Greene Fendler's Cryptanthe. Dry. sandy, prairie. 1, 2.
Cynoglossum officinale L. Hound's Tongue. Imported weed. 2, 3.
Echium vulgare L. Blue-weed. Imported weed. Regina.
Lappula americana (Gray) Rydb. *Hackelia americana* (Gray) Fern. Stick-seed. Margins of bluffs and thickets. 2, 3.
—**echinata** Gilib. Blue-bur. Imported weed. Cultivated fields and road-sides. 1, 2, 3.
—**floribunda** (Lehm.) Greene Blue-bur. Margins of bluffs and thickets. 1, 2, 3, 3a.
—**occidentalis** (S. Wats.) Greene *L. redowskii* (Hornem.) Greene var. *occidentalis* (Wats.) Rydb. Western Blue-bur. Dry sandy prairie. 1, 2, 3.
Lithospermum canescens (Michx.) Lehm. Hoary Puccoon. Moist prairie and margins of bluffs. 2, 3.
—**linearifolium** Gold. *L. incisum* Lehm. Yellow Puccoon. Dry sandy prairie. 1, 2, 3.
—**mandanense** Spreng. Yellow Puccoon. Dry prairie and hills. 2, 3.
—**ruderale** Lehm. Moutain Puccoon. Grassy hillsides. Cypress Hills.
Lycopsis arvensis L. Small Bugloss. Imported weed. 1, 2, 3.
Mertensia lanceolata (Pursh) DC. Prairie Mertensia. Dry prairie and hills. 1, 2.
—**linearis** Greene Linear-leaved Mertensia. Dry prairie. 1, 2.

—**paniculata** (Ait.) G. Don Tall Mertensia. Moist woods. 3, 4, 5, 6.
—**pilosa** (Cham.) DC. Woodland Mertensia. Moist open forest. 3, 4, 5.
Myosotis arvensis (L.) Hill Forget-me-not. Escaped from gardens. Bjorkdale.
Onosmodium occidentale Mack. False Gromwell. Sandy prairie. Carnduff.
Oreocarya aperta Eastw. Oreocarya. Dry prairie and hills. 1, 2.
—**glomerata** (Pursh) Greene Oreocarya. Dry hills. 1, 2, 3, 3a.
—**macounii** Eastw. Macoun's Oreocarya. Dry hills. 2, 3, 3a.

VERBENACEAE. Vervain Family.

Verbena bracteosa Michx. *V. bracteata* Lag. and Rodr. Vervain. Dry prairie and cultivated fields. 1, 2, 3.
—**hastata** L. Blue Vervain. Thicket. Wadena.

LAMIACEAE. Mint Family.

Agastache anethiodora (Nutt.) Britt. *A. foeniculum* (Pursh) Ktze. Giant Hyssop. Moist open forest and margins of bluffs. 1, 2, 3, 4, 5.
Dracocephalum nuttallii Britt. *Physostegia parviflora* Nutt. Dragon-head. Margins of streams and sloughs. 1, 2, 3, 4.
—**ledinghamii** (Boiv.) nova comb. *Physostegia ledinghamii* Boiv. Ledingham's Dragonhead. Shores. 3.
Galeopsis tetrahit L. Hemp-nettle. Imported weed. Cultivated fields. 2, 3, 4, 5.
Glecoma hederacea L. Ground-ivy. Escaped from gardens. 1, 3, 4.
Hedeoma hispida Pursh Pennyroyal. Low sandy prairie. 1, 2.
Hyssopus officinalis L. Hyssop. Imported weed. Carmel.
Lamium album L. Snowflake. Probably escaped from garden. Speers.
—**amplexicaule** L. Henbit. Imported weed. 3, 4.
Lycopus americanus Muhl. Water-horehound. Margins of sloughs and bogs. 1, 2, 3, 3a.
—**asper** Greene Water-horehound. Margins of sloughs and wet meadows. 1, 2, 3, 3a, 4.
—**uniflorus** Michx. Northern Water-horehound. Shores. 2, 4, 5.
Mentha glabrior (Hook.) Rydb. *M. arvensis* L. Peppermint. Wet meadows. 1, 2, 3, 3a, 4. 5,
—**penardi** (Briq.) Rydb. Peppermint. Wet meadows and shores. 1, 2, 3, 4.
—**spicata** L. Spearmint. Cultivated in gardens and escaped in certain districts. Bjorkdale.
Moldavica parviflora (Nutt.) Britt. *Dracocephalum parviflorum* Nutt. American Dragonhead. Open woods and cultivated ground. 1, 2, 3, 4.
—**thymiflora** (L.) Rydb. *D. thymiflora* L. Thyme-flowered Dragonhead. Imported weed. Lebret and Katepwe.
Monarda menthaefolia Benth. *M. fistulosa* L. var. *menthaefolia* (Grah.) Fern. Monarda. Prairie and open woods. 1, 2, 3, 3a, 4.
Nepeta cataria L. Catnip. Imported weed. Roadsides and vacant lots. Carnduff and Gainsborough.
Salvia lanceolata Willd. *S. reflexa* Hornem. Sage. Prairie. 2, 3.
Scutellaria epilobifolia A. Ham. Marsh Skullcap. Moist meadows. 1, 2, 3, 3a, 4, 5.
—**lateriflora** L. Blue Skullcap. Moist meadows. Trossachs.
Stachys scopulorum Greene *S. palustris* L. var. *pilosa* (Nutt.) Fern. and var. *nipigonensis* Jenn. Hedge-nettle. Wet meadows. 1, 2, 3, 3a, 4, 5.
Teucrium occidentale Gray Germander. Thickets and wet meadows. Lumsden and Yorkton.

SOLANACEAE. Potato Family.

Androcera rostrata (Dunal) Rydb. *Solanum rostratum* Dunal Sand-bur. Appears occasionally as a weed. This is north of its natural range. Pelly and Swift Current.
Datura stramonium L. Thorn-apple. Imported weed. 2, 3, 4.
Hyoscyamus niger L. Black Henbane. Imported weed. Gardens and vacant lots. 2, 3.
Leucophysalis grandiflora (Hook.) Rydb. *Chamaesaracha grandiflora* (Hook.) Fern. White Ground-cherry. Sandy soil in open forest. 4, 5.
Solanum nigrum L. Black Nightshade. Imported weed. Gardens and vacant lots. 1, 2, 3, 4.
—**triflorum** Nutt. Wild Tomato. Dry prairie and cultivated fields. 1, 2, 3.

SCROPHULARIACEAE. Figwort Family.

Besseya wyomingensis (A. Nels.) Rydb. *Synthyris wyomingensis* (A. Nels.) Heller Kitten-tails. Cypress Hills.
Castilleja coccinea (L.) Spreng. Scarlet Painted-cup. Buchanan.
—**mineata** Benth. Indian Paint-brush. Cypress Hills.
—**raupii** Penn. Raup's Painted-cup. Athabaska Lake.
—**rhexifolia** Rydb. Indian Paint-brush. Margins of bluffs on moist soil. 3, 3a, 4.
—**sessiliflora** Pursh Downy Painted-cup. Dry prairie and hillsides. 1, 2, 3, 3a.
Chaenorrhinum minus (L.) Lang. Dwarf Snapdragon. Gillespie, Prudhomme and Swift Current.
Collinsia parviflora Dougl. Blue-lips. Hillsides. 3, 3a.
Elephantella groenlandica (Retz.) Rydb. Elephant flower. 3, 5.
Euphrasia subarctica Raup Artic Eyebright. Athabaska Lake.
Gratiola neglecta Torr. Hedge-hyssop. Wet muddy spots. 1, 2, 3.
Limosella aquatica L. Mudwort. Muddy shores of sloughs and lakes. 1, 2, 3, 4.
Linaria dalmatica (L.) Mill. Dalmatian Toad-flax. Escaped from gardens. 1, 2, 3, 4.
—**texana** Scheele *L. canadensis* (L.) Dum. var. *texana* (Scheele) Penn. Blue Toad-flax. Escaped from gardens. Alsask.
—**vulgaris** Hill Toad-flax or Butter-and-eggs. Imported weed. 1, 2, 3, 3a, 4.
Melampyrum lineare Lam. Cow-wheat. Sandy or rocky forest. 4, 6.
Mimulus geyeri Torr. Geyer's Monkey-flower. Streamlet in wooded ravine. Whitewood.
—**guttatus** DC. Yellow Monkey-flower. Margins of streams and lakes. Cypress Hills.
—**ringens** L. Monkey-flower. Shores. Hudson Bay Junction.
Orthocarpus luteus Nutt. Owl's-clover. Saline prairie. 1, 2, 3.
Pedicularis parviflora Smith Purple Pedicularis. Wet meadows and marshes. 4.
Pentstemon albidus Nutt. White Beard-tongue. Dry prairie and hills. 1, 2, 3.
—**confertus** Dougl. Yellow Beard-tongue. Swift Current.
—**gracilis** Nutt. Lilac-flowered Beard-tongue. Prairie. 1, 2, 3, 4.
—**nitidus** Dougl. Blue Beard-tongue. Dry prairie and hills. 1, 2, 3, 3a.
—**procerus** Dougl. Slender Beard-tongue. Slight depressions on moist prairie. 1, 2, 3, 3a.
—**puberulentus** Rydb. Puberulent Beard-tongue. Dry hillside. Estevan.
Rhinanthus kyrollae Chab. *R. crista-galli* L. Yellow-rattle. Meadows and woods. 1, 2, 3a, 6.

Scrophularia lanceolata Pursh Figwort. Introduced. Railway grade. Mortlach.
Veronica americana Schw. Speedwell. Margins of streams and lakes. 2, 3a, 4, 5.
—**catenata** Penn. *V. anagallis-aquatica* L. Water Speedwell. Brooks and shores. 1, 3, 3a, 4.
—**longifolia** L. Prairie along roadside. Probably escaped from flower garden. Raymore.
persica Poir. Bird's-eye. Imported species. Garden. Swift Current.
—**scutellata** L. Marsh Speedwell. Moist meadows. 1, 2, 3, 4, 5.
—**serpyllifolia** L. Thyme-leaved Speedwell. Open woods and thickets. Cypress Hills.
—**xalapensis** H.B.K. Hairy Speedwell. Sandy prairie and cultivated fields. 1, 2, 3, 3a, 4, 5, 6.

LENTIBULARIACEAE. Bladderwort Family.

Pinguicula villosa L. Butterwort. Athabaska Lake.
—**vulgaris** L. Butterwort. Bog. Prince Albert.
Utricularia intermedia Hayne Bladderwort. Shallow water. 2, 4.
—**macrorrhiza** Le Conte *U. vulgaris* L. var. *americana* Gray Bladderwort. Floating in lakes and sloughs. 1, 2, 3, 3a, 4, 5.
—**minor** L. Dwarf Bladderwort. Bogs. 2, 4.

OROBANCHACEAE. Broom-rape Family.

Anoplanthus fasciculatus (Nutt.) Walp. *Orobanche fasciculata* Nutt. Cancer-root. Dry prairie. 1, 2, 3. Parasitic on the roots of Artemisia and other composites.
Myzorrhiza ludoviciana (Nutt.) Rydb. *Orobanche ludoviciana* Nutt. Broom-rape. Dry prairie. 1, 2, 3. Parasitic on the roots of Artemisia and Chrysopsis.

PLANTAGINACEAE. Plantain Family.

Plantago aristata Michx. Bracted Plantain. Prairie. Regina and Madge Lake.
—**asiatica** L. Plantain. Roadsides and vacant lots. 2, 4.
—**elongata** Pursh Linear-leaved Plantain. Sandy prairie. 1, 2.
—**eriopoda** Torr. Saline Plantain. Saline prairie. 1, 2, 3, 4, 6.
—**lanceolata** L. Waskesiu Lake.
—**major** L. Plantain. Roadsides and vacant lots. 1, 2, 3, 4.
—**purshii** R. and S. Pursh's Plantain. Dry prairie. 1, 2, 3a.
—**pusilla** Nutt. Slender Plantain. Sandy prairie. Kindersley.
—**rugelii** Decne. Rugel's Plantain. Roadsides and waste places. 2, 3.

RUBIACEAE. Madder Family.

Galium aparine L. Cleavers. Found in grain grown from seed imported from England. Kelvington.
—**asprellum** Michx. Rough Bedstraw. Arborfield.
—**boreale** L. Northern Bedstraw. Prairie and open woods. 1, 2, 3, 3a, 4, 5.
—**labradoricum** Wieg. Labrador Bedstraw. Bogs. 2, 4, 5, 6.
—**trifidum** L. Small Bedstraw. Wet meadows. 2, 3, 3a, 4, 5.
—**triflorum** Michx. Sweet-scented Bedstraw. Bluffs and forests. 2, 3, 3a, 4, 5.
—**vaillantii** DC. *G. aparine* L. var. *vaillantii* (DC.) Koch Vaillant's Cleavers. Bluffs and forests. 1, 2.

Houstonia longifolia Gaertn. Bluets. Sandy prairie near bluffs or forest. 2, 3, 4, 5.

CAPRIFOLIACEAE. Honeysuckle Family.

Diervilla lonicera Mill. Bush Honeysuckle. Forests. Bjorkdale and Nipawin.

Distegia involucrata (Richards.) Cock. *Lonicera involucrata* (Richards.) Banks Involucrate Honeysuckle. Wet forests. 4, 5.

Linnaea americana Forbes *L. borealis* L. var. *americana* (Forbes) Rehd. Twin-flower. Aspen bluffs and forests. 2, 3, 3a, 4, 5, 6.

Lonicera glaucescens Rydb. *L. dioica* L. var. *glaucescens* (Rydb.) Butt. Twining Honeysuckle. Bluffs and open forest. 1, 2, 3, 4, 5, 6. Does well under cultivation.

Sambucus pubens Michx. Red-berried Elder. Reported growing at a place about 60 miles north-east of Nipawin. Escaped at Saskatoon.

Symphoricarpos albus (L.) Blake Snowberry. Wallwort.

—**occidentalis** Hook. Snowberry. Margins of bluffs and moist depressions on open prairie. 1, 2, 3, 3a, 4.

—**pauciflorus** (Robb.) Britt. Few-flowered Snowberry. Margins of bluffs and open forest. 2, 3, 3a, 4.

Viburnum eradiatum (Oakes) House *V. edule* (Michx.) Raf. Low-bush Cranberry. Woods. 2, 3, 3a, 4, 6.

—**lentago** L. Nanny-berry. Stream banks. Gainsborough and Wapella.

—**trilobum** Marsh. High-bush Cranberry. Wet soil along streams in bluffs or forests. 2, 3, 3a, 4, 6.

Xylosteon canadense (Marsh.) Duham. *Lonicera canadensis* Bartr. Fly-honeysuckle. Swampy woods. Snowden.

—**coeruleum** (L.) Dum.-Cours. *L. coerulea* L. Blue Fly-honeysuckle. Moist forests. 3, 4, 5.

—**oblongifolium** Goldie *L. oblongifolia* Hook. Woodland bogs. 4.

—**tataricum** L. *L. tatarica* L. Tartarian Honeysuckle. Ornamental shrub escaped and established in places. 1, 2, 4.

SANTALACEAE. Sandalwood Family.

Comandra livida Richards. *Geocaulon lividum* (Richards.) Fern. Northern Comandra. Forests. 4, 5, 6.

—**pallida** A. DC. Pale Comandra. Prairie and margins of bluffs. 1, 2, 3, 4, 5.

—**richardsoniana** Fern. Richardson's Comandra. Prairie and margins of bluffs. 1, 3.

LORANTHACEAE. Mistletoe Family.

Arceuthobium americanum Nutt. Pine Mistletoe. 3a, 4, 5, 6. Causes large "witches' brooms" to form on Jack Pine.

CUCURBITACEAE. Gourd Family.

Micrampelis lobata (Michx.) Greene *Echinocystis lobata* (Michx.) T. and G. Balsam-apple. Rich soil along streams. 1, 2, 4.

CAMPANULACEAE. Bellflower Family.

Campanula aparinoides Pursh Marsh Bellflower. Wet meadows. 4, 5.

—**petiolata** A. DC. *C. rotundifolia* L. var. *petiolata* (A. DC.) Henry Bluebell. Prairie and hills. 1, 2, 3, 3a, 4, 5, 6.

LOBELIACEAE. Lobelia Family.

Lobelia hirtella (Gray) Greene *L. spicata* Lam. var. *hirtella* Gray Spiked Lobelia. Prairie. 2, 3.
—**spicata** Lam. Spiked Lobelia. Moist meadows and prairie. 2.
—**strictiflora** (Rydb.) Lun. *L. kalmii* L. var. *strictiflora* Rydb. Bog Lobelia. 2, 3, 4.

VALERIANACEAE. Valerian Family.

Valeriana septentrionalis Rydb. Northern Valerian. Wet places in bluffs and forests. 4, 5.

DIPSACEAE. Teasel Family.

Scabiosa arvensis L. *Knautia arvensis* (L.) Duby Blue-buttons. Naturalized from Europe. Pastures and fields. 3, 4.

AMBROSIACEAE. Ragweed Family.

Ambrosia coronopifolia T. and G. *A. psilostachya* DC. var. *coronopifolia* (T. and G.) Farw. Perennial Ragweed. 1, 2, 3, 4.
—**elatior** L. *A. artemisiifolia* L. var. *elatior* (L.) Desc. Common Ragweed. Roadsides and vacant lots. 1, 2, 3.
—**trifida** L. Great Ragweed. Roadsides and vacant lots. 1, 2, 3.
Cyclachaena xanthifolia (Nutt.) Fres. *Iva xanthifolia* Nutt. False Ragweed. Roadsides and vacant lots. 1, 2, 3.
Franseria acanthocarpa (Hook.) Cov. Franseria. Sandy prairie and dunes. 1, 2.
Iva axillaris Pursh Poverty-weed. Saline meadows and cultivated fields. 1, 2, 3.
Xanthium commune Britt. *X. italicum* Mor. Cocklebur. Nipawin.
—**echinatum** Murr. Beach Cocklebur. Lake shores and stream banks. 2, 3.
—**glanduliferum** Greene Glandular Cocklebur. Prairie. 1, 2.
—**spinosum** L. Spiny Cocklebur. Introduced weed. Steelman.

CARDUACEAE. Thistle Family.

Achillea borealis Bong. Northern Yarrow. Athabaska Lake.
—**lanulosa** Nutt. Wooly Yarrow. Prairie. 1, 2, 3, 3a, 4, 5, 6.
—**megacephala** Raup Athabaska Lake.
—**millefolium** L. Milfoil. Moist meadows and open forest. 4, 5.
—**multiflora** Hook. *A. sibirica* Ledeb. Forest Yarrow. 2, 3, 4, 5.
Anaphalis subalpina (Gray) Rydb. *A. margaritacea* (L.) Clarke var. *subalpina* Gray Pearly Everlasting. 3, 3a.
Antennaria aizoides Greene Pussy-paws. Cypress Hills.
—**anaphaloides** Rydb. Pussy-paws. Cypress Hills.
—**aprica** Greene Pussy-paws. Prairie. 1, 2, 3.
—**arida** E. Nels. Pussy-paws. Swift Current.
—**campestris** Rydb. Pussy-paws. Low prairie. 2, 3, 3a, 4.
—**canadensis** Greene Canadian Pussy-paws. Waskesiu Lake.
—**corymbosa** E. Nels. Cypress Hills.
—**howellii** Greene Pussy-paws. 3a, 4, 5.
—**microphylla** Rydb. Small-leaved Pussy-paws. Low saline prairie. 1, 2, 3, 3a, 4.
—**obovata** E. Nels. Cypress Hills.
—**oxyphylla** Greene Cypress Hills.

—**pulcherrima** (Hook.) Greene Pussy-paws. 3, 4.
—**racemosa** Hook. Waskesiu Lake.
—**rosea** (D.C. Eat.) Greene Rosy Pussy-paws. 2, 3a, 4, 5.
Arctium minus Schk. Lesser Burdock. Meadows and roadsides. 1, 2, 3, 4, 5.
—**tomentosum** (Lam.) Schk. Wooly Burdock. Imported weed. Rosthern.
Arnica attenuata Greene Sharp-leaved Arnica. Athabaska Lake.
—**chamissonis** Less. Leafy Arnica. Moist prairie. 2, 3, 3a, 4, 5.
—**cordifolia** Hook. Heart-leaved Arnica. Open forest. 3a, 5.
—**fulgens** Pursh Shining Arnica. Slight depressions on prairie. 1, 2, 3, 3a.
—**arnoglossa** Greene *A. chionopappa* Fern. Athabaska Lake.
Artemisia abrotanum L. Southernwood. Escaped from gardens. Golburn.
—**absinthium** L. Absinth. Roadsides and vacant lots. 2, 3, 3a, 4, 5. Introduced.
—**biennis** Willd. Biennial Wormwood. Wet soil. Occurs as a weed in shallow depressions on cultivated land. 1, 2, 3, 3a, 4.
—**borealis** Pall. Northern Wormwood. Athabaska Lake.
—**camporum** Rydb. Plains Wormwood. Dry sandy prairie and hills. 1, 2, 3, 3a, 4.
—**cana** Pursh Hoary Sage-bush. Dry prairie and hills. 1, 2, 3.
—**caudata** Michx. Tall Wormwood. Sandy prairie. 1, 2, 3, 4.
—**diversifolia** Rydb. Yellow Grass and Meadow Lake.
—**dracunculoides** Pursh *A. glauca* Pall. Linear-leaved Wormwood. Dry prairie, and hills. 1, 2, 3, 4.
—**frigida** Willd. Pasture Sage. Dry prairie and hills. Flourishes on overgrazed pastures. 1, 2, 3, 3a, 4.
—**glauca** Pall. Dry prairie. 2, 3, 4.
—**gnaphalodes** Nutt. *A. ludoviciana* Nutt. var. *gnaphalodes* (Nutt.) T. and G. Prairie Sage. Moist prairie. 1, 2, 3, 4.
—**herriottii** Rydb. Herriott's Sage. Bengough.
—**longifolia** Nutt. Saline prairie. 1.
—**pabularis** (A. Nels.) Rydb. *A. ludoviciana* Nutt. var. *pabularis* (A. Nels.) Fern. Slender Sage. Prairie. 1, 2, 3, 4.
—**purshiana** Bess. Pursh's Sage. Moist prairie. 2, 3, 4.
—**vulgaris** L. Common Mugwort. Introduced. Hoosier.
Aster adscendens Lindl. Western Aster. Dry prairie. 1.
—**commutatus** (T. and G.) White Prairie Aster. Prairie. 2, 3.
—**conspicuus** Lindl. Showy Aster. Open forest and wooded hillsides. 3, 3a, 4, 5.
—**crassulus** Rydb. White Aster. Prairie. 2, 3.
—**ericoides** L. White Aster. Dry prairie. 1, 2, 3, 5.
—**franklinianus** Rydb. Franklin's Aster. Macdowall.
—**geyeri** (Gray) Howell Geyer's Aster. 2, 4.
—**junciformis** Rydb. Rush Aster. Margins of sloughs and marshes. 2, 3, 4.
—**laevis** L. Smooth Aster. Moist prairie and open woods. 1, 2, 3, 4.
—**lindleyanus** T. and G. *A. ciliolatus* Lindl. Lindley's Aster. Open forest. 2, 3, 3a, 4.
—**longifolius** Lam. Long-leaved Aster. Wet meadows. 2, 3, 5.
—**longulus** Sheld. Pink-flowered Aster. Wet meadows. 1, 2.
—**major** (Hook.) Port. *A. modestus* Lindl. Moist woods. 4, 5.
—**mearnsii** Rydb. Cypress Hills.
—**novae-angliae** L. New England Aster. Saskatoon.
—**noblongifolius** Nutt. Aromatic Aster. Saline meadow. Watson.
—**osterhoutii** Rydb. Osterhout's Aster. Stream banks. 1, 2, 3, 3a, 4.
—**pauciflorus** Nutt. Few-flowered Aster. Saline meadow. 1, 3.
—**polycephalus** Rydb. Lemsford.
—**puniceus** L. Purple-stemmed Aster. Marshes. 3, 4, 5.

—**richardsonii** Spreng. Saskatoon.
—**salicifolius** Lam. Willow Aster. Meadows. 1, 2, 3, 4, 5. Formerly listed as *A. coerulescens* DC.
—**stricticaulis** (T. and G.) Rydb. Upright Aster. Meadows. 1, 2, 3.
—**subgriseus** Rydb. Hirsute Aster. Prairie. 1, 2, 3a.
—**tweedyi** Rydb. Swift Current.
Bidens glaucescens Greene *B. cernua* L. Smooth Bur-marigold. Muddy shores. 1, 2, 3a, 4.
—**puberula** (Wieg.) Rydb. *B. vulgata* Greene forma *puberula* (Wieg.) Fern. Downy Bur-marigold. Wet soil. 2.
—**vulgata** Greene Tall Bur-marigold. 1, 2.
Boltonia asteroides L'Her. Boltonia. Shores and meadows. Torquay and Weyburn.
Brachyactis angusta (Lindl.) Britt. *Aster brachyactis* Blake Rayless Aster. Wet meadows. 1, 2, 3, 4, 5.
Carduus nutans L. Nodding-thistle. Imported weed. Abandoned fields and roadsides. 2.
Centaurea picris Poll. *C. repens* L. Russian Knapweed. Imported weed. Cultivated fields. 1, 2, 3.
—**solstitialis** L. Yellow Star-thistle. Scott.
Chamomilla chamomilla (L.) nova comb. *Matricaria chamomilla* L. German Camomile. Imported weed. 2, 3.
—**inodora** (L.) Gilib. *Matricaria maritima* L. var. *agrestis* (Knaf) Wil. Scentless Camomile. Open woods. 1, 2, 3, 4.
—**suaveolens** (Pursh) Rydb. *M. matricarioides* (Less.) Port. Pineapple-weed. Farmyards. 1, 2, 3, 3a, 4, 5, 6.
Chrysopsis angustifolia Rydb. Golden Aster. Dry prairie. 2.
—**hirsutissima** Greene Golden Aster. Sandy prairie and hills. 1, 2, 3.
—**hispida** (Hook.) DC. Golden Aster. Sandy prairie and hills. 1, 2, 3, 4.
—**villosa** (Pursh) Nutt. Golden Aster. Dry prairie and hills. 1, 2, 3.
Chrysothamnus frigidus Greene Rabbit Brush. Dry prairie. 1, 3a.
Cirsium arvense (L.) Scop. Canada Thistle. Imported weed. Roadsides and cultivated fields. 1, 2, 3, 4.
var. integrifolium Wimm. and Grab. 2, 4.
var. vestitum Wimm. and Grab. Grandora.
—**drummondii** T. and G. Short-stemmed Thistle. Moist prairie and open woods. 3, 4, 5.
—**engelmannii** Rydb. Engelmann's Thistle. Lac Pelletier.
—**flodmanii** (Rydb.) Arth. Flodman's Thistle. Prairie. 1, 2, 3, 4.
—**lanceolatum** (L.) Hill *C. vulgare* (Savi) Ten. Spear Thistle. Imported weed. 1, 2.
—**muticum** Michx. Swamp Thistle. Wet soil at the margins of woods. 4, 5.
—**oblanceolatum** (Rydb.) K. Schum. Woolly Thistle. Nokomis and Paynton.
—**plattense** (Rydb.) Cock. Sandy prairie. Swift Current.
—**undulatum** (Nutt.) Spreng. Wavy-leaved Thistle. Dry prairie. 1, 2, 4.
Coreopsis tinctoria Nutt. Golden Coreopsis. Shallow depressions on dry prairie. 1, 2, 3, 3a.
Cota tinctoria (L.) Gay *Anthemis tinctoria* L. Yellow Camomile. Imported weed. Moose Jaw.
Echinacea angustifolia DC. Purple Cone-flower. Dry prairie. The Estevan district.
Echinops sphaerocephalus L. Globe Thistle. Imported weed. Regina and Saskatoon.
Erigeron anodontus Lun. Erect Fleabane. Saskatoon.

—**asper** Nutt. *E. glabellus* Nutt. var. *pubescens* Hook. Rough Fleabane. Dry prairie and hills. 1, 2, 3.
—**caespitosus** Nutt. Tufted Fleabane. Dry prairie and hills. 1, 2, 3.
—**compositus** Pursh Compound Fleabane. Dry hills. 1, 2.
—**condensatus** (D.C. Eat.) Greene Small Fleabane. Saskatoon.
—**droebachensis** Muell. Tall White Fleabane. Open forest. 4, 5.
—**glabellus** Nutt. Smooth Fleabane. Moist prairie and open forest. 2, 3, 3a, 4, 5.
—**lonchophyllus** Hook. Hirsute Fleabane. Wet meadows. 2, 3, 4, 5.
—**minor** (Hook.) Rydb. Low Fleabane. Moist prairie. Kerrobert.
—**oblanceolatus** Rydb. Saskatoon.
—**oligodontus** Lun. Slender Fleabane. Prairie. 2, 3, 4.
—**philadelphicus** L. Philadelphia Fleabane. Wet soil in wooded areas. 1, 2, 3, 3a, 4, 5, 6.
—**pumilus** Nutt. Plains Fleabane. Dry prairie and hills. 1, 2, 3, 4.
—**purpureus** Ait. Purple Fleabane. Wet meadows and open forest. 3, 4.
—**radicatus** Hook. Dry hilltops. Cypress Hills.
—**ramosus** (Walt.) B.S.P. *E. strigosus* Muhl. Daisy Fleabane. 2, 4, 6.
—**speciosus** L. Showy Fleabane. Saskatoon.
—**trifidus** Hook. *E. compositus* Pursh var. *discoideus* Gray Cut-leaved Fleabane. Elrose.
Eupatorium bruneri Gray Bruner's Trumpet-weed. Moist ground in wooded areas. 4, 5.
Euthamia camporum Greene *Solidago graminifolia* (L.) Salisb. var. *media* (Greene) Harris Flat-topped Goldenrod. Margins of bogs and streams. 2, 3, 4, 5.
Gaillardia aristata Pursh Blanket-flower. Prairie. 1, 2, 3, 3a, 4. Quite suitable as a floral emblem for Saskatchewan.
—**forma monochroma** Boiv. Petrofka Ferry.
Gnaphalium palustre Nutt. Marsh Cudweed. Moist meadows. 1, 2, 3.
—**uliginosum** L. Low Cudweed. Moist open woods. Loon Lake.
Grindelia perennis A. Nels. *G. squarrosa* (Pursh) Dunal var. *quasiperennis* Lun. Gum-weed. Dry saline prairie. 1, 2, 3.
—**serrulata** Rydb. Gum-weed. Dry prairie. Ogema.
Gutierrezia diversifolia Greene Broom-weed. Dry prairie and hills. 1, 2, 3.
Helenium macranthum Rydb. *H. autumnale* L. var. *grandiflorum* Gray Sneezeweed. Wet meadows. 2, 3, 4.
—**montanum** Nutt. *H. autumnale* L. var. *montanum* (Nutt.) Fern. Sneezeweed. Wet meadows and shallow sloughs. 1, 2, 3.
Helianthus annuus L. Sunflower. Cultivated to a limited extent as a forage crop and also for the oil content of the seed.
—**aridus** Rydb. Dry-ground Sunflower. Sandy prairie. 1, 2.
—**fascicularis** Greene Clustered Sunflower. Moist meadows and road grades across sloughs. 1, 3, 4.
—**lenticularis** Dougl. Showy Sunflower. Flourishes on clay soils. 1, 2.
—**maximiliani** Schrad. Maximilian's Sunflower. Prairie. 1, 2, 3, 4.
—**petiolaris** Nutt. Prairie Sunflower. Sandy prairie. 1, 2.
—**subrhomboideus** Rydb. *H. laetiflorus* Pers. var. *subrhomboideus* (Rydb.) Fern. Beautiful Sunflower. Moist saline prairie. 1, 2, 3, 3a, 4.
—**subtuberosus** Bourg. Tuberous-rooted Sunflower. Moist prairie and margins of bogs. 2, 3, 4.
Heliopsis scabra Dunal *H. helianthoides* (L.) Sweet var. *scabra* (Dunal) Fern. Ox-eye. McKague and Tisdale.
Hymenopappus filifolius Hook. Hymenopappus. Dry prairie and hills. 1.
Hymenoxys richardsonii (Hook.) Cock. *Actinea richardsonii* (Hook.) Kuntze. Prairie Marigold. Dry prairie and hills. 1, 2.

Lepachys columnifera (Nutt.) Rydb. *Ratibida columnifera* (Nutt.) Woot. and Standl. Prairie Cone-flower. Dry prairie and hills. 1, 2, 3.

Leptilon canadense (L.) Britt. *Erigeron canadensis* L. Horse-weed. Sandy open woods and cultivated fields. 1, 2, 3.

Leucanthemum vulgare Lam. *Chrysanthemum leucanthemum* L. Ox-eye Daisy. Introduced. Moist prairie and roadsides. 2, 3, 4, 5.

Liatris aspera Michx. Blazing-star. Prairie. Antler and Gainsborough.

—**ligulistylis** (A. Nels.) Rydb. Blazing-star. Moist prairie. 1, 2, 3, 4, 5.

—**punctata** Hook. Blazing-star. Dry prairie and hills. 1, 2, 3.

Machaeranthera canescens (Pursh) Gray Plains Aster. Dry prairie and hills. 1, 2.

—**pulverulenta** (Nutt.) Greene Plains Aster. 1.

Madia glomerata Hook. Tarweed. Dry prairie and hills. 1, 2, 3a.

Megalodonta beckii (Torr.) Greene Water-marigold. Ponds and slow streams. Cumberland Lake.

Oligoneuron canescens Rydb. Corymbose Goldenrod. Moist prairie. 1, 2, 3.

—**rigidum** (L.) Small *Solidago rigida* L. Stiff Goldenrod. Prairie. 1, 2, 3, 4.

Petasites palmatus (Ait.)Gray Woodland Colt's-foot. Forests. 4, 5.

—**sagittatus** (Pursh) Gray Slough Colt's-foot. Margins of shallow sloughs near willows. 1, 2, 3, 4, 5.

—**vitifolius** Greene Bog Colt's-foot. Margins of sloughs and bogs. 2, 4, 5.

Picradeniopsis oppositifolia (Nutt.) Rydb. Dry saline prairie. Pambrun.

Pyrrocoma lanceolata (Hook.) Greene Pyrrocoma. Meadows. 1, 2, 3.

Rudbeckia hirta L. Black-eyed Susan. Meadows. 2, 3, 4.

Senecio canus Hook. Groundsel. Dry prairie and hills. 1, 2, 3, 4.

—**columbianus** Greene Valley Groundsel. Moist places on prairie. 1, 2, 3.

—**cymbalaroides** Nutt. Athabaska Lake.

—**densus** Greene Compact Groundsel. Saskatoon.

—**eremophilus** Richards. Cut-leaved Groundsel. Open woods. 3, 4, 5.

—**exaltatus** Nutt. Entire-leaved Groundsel. Moist prairie. 1, 2, 3, 3a.

—**palustris** (L.) Hook. *S. congestus* (R. Br.) DC. var. *palustris* (L.) Fern. Marsh Groundsel. Margins of sloughs and lake shores. 2, 3, 4, 5.

—**pauperculus** Michx. Balsam Groundsel. Wet meadows on poor soil. 2, 3, 4, 5.

—**plattensis** Nutt. Prairie Groundsel. Prairie and open woods. 2, 3, 3a, 4, 5.

—**pseudaureus** Rydb. *S. indecorus* Greene Thin-leaved Groundsel. Wet meadows. 3a, 4.

—**purshianus** Nutt. Pursh's Groundsel. Dry prairie and hills. 1, 2, 3, 4.

—**scribneri** Rydb. Scribner's Groundsel. Prairie. 1.

—**tweedyi** Rydb. Tweedy's Groundsel. Cypress Hills and Saskatchewan Landing.

—**vulgaris** L. Groundsel. Imported weed. Gardens. 2, 3, 4.

Sideranthus grindelioides (Nutt.) Britt. Iron-plant. Dry prairie and hills. 1, 2.

—**spinulosus** (Pursh) Sweet *Haplopappus spinulosus* (Pursh) DC. Spiny Iron-plant. Dry prairie and hills. 1, 2, 3.

Silybum mariana (L.) Gaertn. Milk-thistle. Imported weed seen rarely in gardens. 2, 4.

Solidago canadensis L. Canadian Goldenrod. Margins of bluffs and open forest. 1, 2, 3, 4, 5.

—**dumetorum** Lunell Prairie Goldenrod. Moist prairie near bluffs. 1, 2, 3, 4.

—**gilvocanescens** (Rydb.) Smyth *S. canadensis* L. var. *gilvocanescens* Rydb. Silvery Goldenrod. Dry prairie. 2, 3, 4.

—**glaberrima** Martens *S. missouriensis* Nutt. var. *fasciculata* Holz. Smooth Goldenrod. Dry prairie. 1, 2, 3, 4.
—**hispida** Muhl. Hairy Goldenrod. Dry open woods. 4, 5.
—**lepida** DC. Graceful Goldenrod. Margins of woods. 2, 3, 4, 5.
—**lunellii** Rydb. Lunell's Goldenrod. Prairie. 2.
—**missouriensis** Nutt. Low Goldenrod. Dry prairie and hills. 1, 2, 3, 3a, 4.
—**mollis** Bartl. Velvety Goldenrod. Dry prairie. 1, 2, 3.
—**oreophila** Rydb. *S. decumbens* Greene var. *oreophila* (Rydb.) Fern. Mountain Goldenrod. Moist prairie. 1, 2, 3, 4, 6.
—**pruinosa** Greene *S. canadensis* L. var. *gilvocanescens* Rydb. Regarded by some as very similar to, or synonymous with, *S. dumetorum* Lunell. 1, 2, 3, 4.
—**pulcherrima** A. Nels. *S. nemoralis* Ait. var. *decemflora* (DC.) Fern. Showy Goldenrod. Dry prairie. 2, 3, 4.
—**scopulorum** (Gray) A. Nels. *S. multiradiata* Ait. var. *scopulorum* Gray Northern Goldenrod. Open woods. Waskesiu Lake.
—**serotina** Ait. *S. gigantea* Ait. var. *leiophylla* Fern. Late Goldenrod. Margins of bluffs and open woods. 1, 2, 3, 4.
Stenotus armeroides Nutt. Stenotus. Dry prairie and hills. 1, 2, 3, 3a.
Tanacetum vulgare L. Tansy. Introduced and escaped from gardens. 1, 2, 4.
—**huronense** Nutt. Athabaska Lake.
Tetraneuris simplex A. Nels. Regina.
Townsendia sericea Hook. Townsendia. Dry hills. 1, 2, 3.
Unamia alba (Nutt.) Rydb. *Aster ptarmicoides* (Nees) T. and G. Sneezewort. Dry saline prairie. 2, 3, 4.

CICHORIACEAE. Chicory Family.

Agoseris agrestis Osterh. Pinnate-leaved Agoseris. Meadows. 1, 2, 3, 3a.
—**glauca** (Nutt.) Greene Smooth Agoseris. Moist prairie and meadows. 2, 3, 3a, 4, 5.
—**parviflora** (Nutt.) Greene Small Agoseris. Meadows. 1, 2, 3, 5.
—**scorzoneraefolia** (Schrad.) Greene Long-leaved Agoseris. Prairie. 1, 2, 3, 3a.
—**turbinata** Rydb. Linear-leaved Agoseris. Swift Current.
Crepis glauca (Nutt.) T. and G. Smooth Hawk's-beard. Saline meadows. 2, 3, 5.
—**glaucella** Rydb. Slender Hawk's-beard. Moist meadows. 2, 3, 4.
—**perplexans** Rydb. Glaucous Hawk's-beard. Saline meadows. 1, 2, 3.
—**platyphylla** Greene Cypress Hills.
—**runcinata** (James) T. and G. Scapose Hawk's-beard. Saline meadows. 2, 3a.
—**tectorum** L. Narrow-leaved Hawk's-beard. Imported weed. 2, 3, 4.
Hieracium albiflorum Hook. White-flowered Hawkweed. Cypress Hills.
—**columbianum** Rydb. *H. canadense* Michx. Mountain Hawkweed. Cypress Hills and Meadow Lake.
—**scabriusculum** Schw. *H. umbellatum* L. Narrow-leaved Hawkweed. Moist meadows and margins of bluffs. 1, 2, 3, 3a, 4, 6.
Hypochaeris radicta L. Cat's-ear. Introduced. Scott.
Lactuca ludoviciana (Nutt.) DC. Western Lettuce. Gainsborough and Regina.
—**pulchella** (Pursh) DC. Blue Lettuce. Cultivated fields and roadsides. 1, 2, 3, 4.
—**scariola** L. Prickly Lettuce. Vacant lots and roadsides. 1, 2, 3.
—**spicata** (Lam.) Hitchc. *L. biennis* (Moench) Fern. Tall Blue Lettuce. Open forest. 4, 5.

—**virosa** L. *L. scariola* L. forma *integrifolia* (Bogenh.) Beck Prickly Lettuce. Roadsides. 1, 2.

Lygodesmia juncea (Pursh) D. Don Skeleton-weed. Dry sandy prairie. 1, 2, 3.

—**rostrata** Gray Annual Skeleton-weed. Sandy prairie 1.

Nabalus albus (L.) Hook. *Prenanthes alba* L. White Lettuce. Open forest. 3, 4.

—**racemosus** (Michx.) DC. *P. racemosa* Michx. Moist prairie and margins of bluffs. 2, 3, 4, 5.

Nothocalais cuspidata (Pursh) Greene *Agoseris cuspidata* (Pursh) Dietr. Prairie False Dandelion. Dry hillsides. 2, 3.

Picris echioides L. Ox-tongue. Imported weed. Prince Albert.

Sonchus arvensis L. Perennial Sowthistle. Imported weed. Moist saline soil both cultivated and virgin. 1, 2, 3, 4.

—**asper** (L.) Hill Spiny Sowthistle. Imported weed. Gardens. 1, 2, 3, 4.

—**oleraceus** L. Annual Sowthistle. Imported weed. Gardens. 1, 2, 3, 4.

—**uliginosus** Bieb. Smooth Perennial Sowthistle. Wet saline meadows and cultivated fields. 1, 2, 3, 4.

Taraxacum ceratophorum (Ledeb.) DC. Athabaska Lake.

—**dumetorum** Greene Prairie Dandelion. Moist meadows. Redberry Lake and Sutherland.

—**erythrospermum** Andrz. Red-seeded Dandelion. Imported weed. Lawns and vacant lots. 1, 2, 3, 4.

—**lacerum** Greene Athabaska Lake.

—**lapponicum** Kihlm. Athabaska Lake.

—**officinale** Web. Dandelion. Imported weed. Lawns, vacant lots, roadsides and in some places established in native meadows or open woods. 1, 2, 3, 3a, 4, 5.

Tragopogon dubius Scop. Goat's-beard. Imported weed. Roadsides and vacant lots. 1, 2, 3.

A view representative of rolling parkland in Zone 3. Aspen groves occur in the more moist situations.

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Mixed forest on the rocky terrain of Zone 6.

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